

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AIR QUALITY OPERATING PERMIT

Permit No. AQ0289TVP03 Issue Date: Final Permit - November 18, 2016

Expiration Date: November 18, 2021

The Department of Environmental Conservation, under the authority of AS 46.14 and 18 AAC 50, issues an operating permit to Teck Alaska Inc., for the operation of the DeLong

Mountain Regional Transportation System Port Facility.

The DeLong Mountain Regional Transportation System Port Facility are considered one stationary source for purposes of determining applicability with the modification requirements of

18 AAC 50.302.

This permit satisfies the obligation of the owner and operator to obtain an operating permit as set

out in AS 46.14.130(b).

As set out in AS 46.14.120(c), the Permittee shall comply with the terms and conditions of this

operating permit.

Citations listed herein are contained within 18 AAC 50 dated August 20, 2016 Register 219. All

Federal regulation citations are from those sections adopted by reference in this version of

regulation in 18 AAC 50.040 unless otherwise specified.

Upon effective date of this permit, Operating Permit No. AQ0289TVP02 expires.

This Operating Permit becomes effective December 18, 2016.

jz ,F•79k1(

John F. Kuterbach, Manager

Air Permits Program

11An-svrlilelgroups\AQ\Permits\Awq-permits\AirlacsITeck Alaska, Inc\Port Facility (289)10operatingITVP03 -

RenewallFinallAQ0289TVP03 Final Permit and S013.doex

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

ii

Table of Contents

List of Abbreviations Used in this

Permit..... iv

Section 1. Stationary Source

Information.....1

Identification.....1

Section 2. Emission Unit Inventory and

Description.....2

Section 3. State Requirements	.....
.....4	
Visible Emissions	
Standards.....4	
Visible Emissions Monitoring, Recordkeeping and Reporting	.....5
Particulate Matter Emissions	
Standards.....9	
PM Monitoring, Recordkeeping and	
Reporting.....10	
Sulfur Compound Emission Standards	
Requirements.....12	
Sulfur Compound Monitoring, Recordkeeping, and Reporting Requirements	.....12
Preconstruction Permit	
Requirements.....13	
Insignificant Emission	
Units.....22	
Section 4. Federal Requirements	.....
.....24	
Emission Units Subject to Federal NSPS Subpart	
A.....24	
Sewage Treatment Plants Subject to NSPS Subpart O, EU ID 7	
.....26	
Nonmetallic Mineral Processing Plants Subject to NSPS Subpart OOO, EU IDs 29	
-	
39.....	
.....26	
40 C.F.R. 62 Subpart III Exemption Requirements for Incinerators, EU ID 7	.....28
Emission Units Subject to Federal 40 C.F.R. 61 NESHAPS Subpart A, EU ID 7	...29
Incinerators Subject to 40 C.F.R. 61 NESHAP Subpart E, EU ID	
7.....29	
Emission Units Subject to Federal NESHAP Subpart	
A.....30	
Reciprocating Internal Combustion Engines Subject to NESHAP Subpart ZZZZ	..30
NESHAP Subpart ZZZZ Monitoring, Installation, Collection, Operation, and	
Maintenance	
Requirements.....31	
Boilers Subject to NESHAP Subpart	
JJJJJJ.....35	
NESHAPs Applicability	
Determinations.....38	
Protection of Stratospheric Ozone, 40 C.F.R.	
82.....39	
Section 5. General Conditions	.....

.....	40
Standard Terms and Conditions.....	40
Open Burning Requirements.....	44
Section 6. General Source Testing and Monitoring Requirements.....	45
Section 7. General Recordkeeping and Reporting Requirements.....	48
Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016	
DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021	
iii	
Recordkeeping Requirements .....	48
Reporting Requirements .....	48
Section 8. Permit Changes and Renewal .....	53
Section 9. Compliance Requirements.....	55
General Compliance Requirements .....	55
Section 10. Permit As Shield from Inapplicable Requirements .....	56
Section 11. Public Access Control Plan.....	59
Section 12. Visible Emissions Forms .....	65
Section 13. ADEC Notification Form.....	67
Section 14. Emission Inventory Form .....	70

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016	
DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021	
iv	
List of Abbreviations Used in this Permit	
AAC.....	Alaska Administrative Code
ADEC.....	Alaska Department of Environmental Conservation
AS.....	Alaska Statutes

ASTM.....American Society for Testing and  
 Materials  
 BACT .....Best Available Control Technology  
 BHp .....Boiler Horsepower  
 C.F.R. ....Code of Federal Regulations  
 The Act .....Clean Air Act  
 CO .....Carbon Monoxide  
 dscf .....Dry standard cubic foot  
 EPA .....US Environmental Protection  
 Agency  
 EU.....Emission Unit  
 gr./dscf.....grain per dry standard cubic foot (1  
 pound = 7000 grains)  
 GPH.....gallons per hour  
 HAPs .....Hazardous Air Pollutants [HAPs as  
 defined in AS 46.14.990]  
 ID.....Emission Unit Identification  
 Number  
 kPa .....kiloPascals  
 LAER.....Lowest Achievable Emission Rate  
 MACT .....Maximum Achievable Control  
 Technology [MACT as defined in  
 40 C.F.R. 63]  
 MMBtu/hr.....Million British thermal units per  
 hour  
 MMSCF.....Million standard cubic feet  
 MR&R.....Monitoring, Recordkeeping, and  
 Reporting  
 NESHAPs.....Federal National Emission  
 Standards for Hazardous Air  
 Pollutants [NESHAPs as contained  
 in 40 C.F.R. 61 and 63]  
 NOx.....Nitrogen Oxides  
 NSPS.....Federal New Source Performance  
 Standards [NSPS as contained in  
 40 C.F.R. 60]  
 O & M .....Operation and Maintenance  
 O2 .....Oxygen  
 PAL.....Plantwide Applicability Limitation

PM-10 .....Particulate Matter less than or equal  
to a nominal ten microns in diameter  
ppm .....Parts per million  
ppmv, ppmvd .....Parts per million by volume on a dry  
basis  
psia .....Pounds per Square Inch (absolute)  
PSD .....Prevention of Significant  
Deterioration  
PTE .....Potential to Emit  
SIC. ....Standard Industrial Classification  
SO2 .....Sulfur dioxide  
TPH.....Tons per hour  
TPY.....Tons per year  
VOC.....volatile organic compound [VOC as  
defined in 40 C.F.R. 51.100(s)]  
VOL .....volatile organic liquid [VOL as  
defined in 40 C.F.R. 60.111b,  
Subpart Kb]  
vol%.....volume percent  
wt%.....weight percent

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 1 of 73

## Section 1. Stationary Source Information

### Identification

#### Permittee:

Teck Alaska Inc.

3105 Lakeshore Dr., Bldg. A, Suite 101

Anchorage, Alaska 99517

Stationary Source Name: DeLong Mountain Regional Transportation System Port Facility

Location: 67° 34' North; 164° 03' West

Physical Address: 55 miles northwest of Kotzebue, AK

#### Owner:

Alaska Industrial Development and Export Authority (AIDEA)

813 W. Northern Lights Blvd

Anchorage, Alaska 99503

#### Operator:

Teck Alaska Incorporated

3105 Lakeshore Dr., Bldg. A, Suite 101

Anchorage, Alaska 99517

Permittee's Responsible Official:

Henri Letient, General Manager

3105 Lakeshore Dr., Bldg. A, Suite 101

Anchorage, Alaska 99517

Designated Agent:

Perkins Coie LLP.

1029 W 3rd Ave., Suite 300

Anchorage, AK 99501-1981

Stationary Source and

Building Contact:

Rebecca Hager, Environmental Coordinator

3105 Lakeshore Drive, Bldg. A, Suite 101

Anchorage, AK 99517

(907) 754-5141

Rebecca.hager@teck.com

Fee Contact:

Rebecca Hager, Environmental Coordinator

3105 Lakeshore Drive, Bldg. A, Suite 101

Anchorage, AK 99517

(907) 754-5141

Rebecca.hager@teck.com

Permit Contact:

Rebecca Hager, Environmental Coordinator

3105 Lakeshore Drive, Bldg. A, Suite 101

Anchorage, AK 99517

(907) 754-5141

Rebecca.hager@teck.com

Process

Description:

SIC Code 4226 - Special Warehousing and Storage, Not Elsewhere Classified

NAICS Code: 493190 - Other Warehousing and Storage

[18 AAC 50.040(j)(3) & 50.326(a)]

[40 C.F.R. 71.5(c)(1 & 2)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 2 of 73

Section 2. Emission Unit Inventory and Description

Emission Unit Authorization. The Permittee is authorized to install and operate the

emission units listed in Table A in accordance with the terms and conditions of this permit. Some emission units listed in Table A have specific monitoring, recordkeeping, or

reporting conditions in this permit.

#### Table A - Emission Unit Inventory

EU ID Emission

Unit Name Emission Unit Description Rating/Size Construction

Date/Install date

##### Diesel Generators

1 94-02 Cat 3508TA Diesel-Electric Generator 650 kW 1988  
2 94-03 Cat 3508TA Diesel-Electric Generator 650 kW 1988  
3 94-04 Cat 3508TA Diesel-Electric Generator 650 kW 1988  
4 94-32 Cat 3516 Diesel-Electric Generator 1,285 kW 1997  
5 94-10 Cat 3208 Stand-by Generator 150 kW 1988

##### Incinerators

7 08-42 Advanced Combustor Refuse Incinerator 300 lb/hr 1997

##### Diesel-fired Boilers and Heaters

82 14-08 Shenandoah F350 Used Oil Space Heater 0.35 MMBtu/hr 1988  
22 14-29 Cleaver Brooks Boiler No. 1 2.51 MMBtu/hr 1997  
23 14-30 Cleaver Brooks Boiler No. 2 2.51 MMBtu/hr 1997

272

14-102 Modine Heater No. 1 0.185 MMBtu/hr  
14-103 Modine Heater No. 2 0.185 MMBtu/hr  
68-112 Frost Fighter Heater No. 1 0.5 MMBtu/hr  
68-113 Frost Fighter Heater No. 2 0.5 MMBtu/hr

##### Bag Houses

9 29-169

Wheelabrator Baghouse 36-47 WCC

Surge Bin (P10) 12,000 ACFM 1988

10 29-175

Wheelabrator Baghouse 36-43 WCC

Truck Unloading Building (P1) 5,000 ACFM 1988

11 29-167

Wheelabrator Baghouse 36-33 WCC

Transfer Tower #4 (P7/P8/P28) 4,000 ACFM 1997

12 29-843

Wheelabrator Baghouse 36-33 WCC

Shipload Conveyor (P-11) 4,000 ACFM 1988

Upgraded 2003

13 29-658

Wheelabrator Baghouse 36-44 WCC

Transfer Tower #3 (P27/28) 5,000 ACFM 1997

14 29-656/657

Wheelabrator Baghouse 36-33 WCC

Transfer Tower #2 (P22A/P23/23A)

(2 baghouses, 1 exhaust)

5,000 ACFM 1997

15 29-629

Wheelabrator Baghouse 36-43 WCC

Transfer Tower #1 (P22/P22A) 5,000 ACFM 1997

28 29-823

Truck Unloading Building (Air Wash)

Baghouse 15,000 dscf/min 2005

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 3 of 73

EU ID Emission

Unit Name Emission Unit Description Rating/Size Construction

Date/Install date

Barge Loadout Snorkel

24 26-24 Barge Loadout Snorkel 2,000 ton/hr 1988

Portable Rock Crusher #23

29 PRC-1 Feed Hopper 250 TPH 2008

30 PRC-2

Construction Equipment Company (CEC)

Jaw Crusher 250 TPH 2008

31 PRC-3

Transfer Point (jaw crusher to jaw crusher  
conveyor) 250 TPH 2008

32 PRC-4

Transfer Point (jaw crusher conveyor to  
SC300 primary conveyor) 250 TPH 2008

33 PRC-5

Transfer Point (SC300 primary conveyor to  
deck screen) 250 TPH 2008

34 PRC-6 Deck Screen 250 TPH 2008

35 PRC-7 SC300 Auto Cone 250 TPH 2008

36 PRC-8

Transfer Point (SC300 Auto Cone to SC300



secondary return conveyor) 250 TPH 2008

37 PRC-9

Transfer Point (SC300 secondary return  
conveyor to SC300 primary return  
conveyor)

250 TPH 2008

38 PRC-10

Transfer Point (Deck Screen Conveyor to  
Radial Stacker) 250 TPH 2008

39 PRC-11

Transfer Point (Radial Stacker to Storage  
Pile) 250 TPH 2008

Notes:

1. The above list does not include the nonroad engines (EU IDs 5A & 26 authorized under Minor Permit No. AQ0289MSS01 and

Portable Rock Crusher #2 Generator MXG-101 authorized under Minor Permit No. AQ0289MSS02), and the fuel storage

tanks (EU IDs 16 - 21 listed under the initial Title V Permit No. A0289TVP01). The fuel tanks EU IDs 16 - 21 are

insignificant under 18 AAC 50.326(e)(4) and have no EU-specific MR&R. EU IDs 19 - 21 are no longer subject to the

recordkeeping requirement of NSPS Subpart Kb. EU ID 5A also operates at the Red Dog Mine (AQ0290TVP02 Rev. 1) as

MG-16.

2. EU IDs 8 and 27 have emissions below the significant emissions thresholds in 18 AAC 50.326(e), however, they are included

in this permit because they are subject to an owner requested limit and specific MR&R under Condition 15. EU ID 27 consists

of several insignificant space heaters with cumulative capacity of approximately 2.0 MMBtu/hr (see 4. below). The Permittee

may swap/replace individual units at their discretion, as long as the cumulative capacity does not exceed 2.0 MMBtu/hr.

3. The Permittee uses this portable rock crushing plant at the following locations: the DMTS Port Facility (AQ0289MSS02), the

Red Dog Mine Facility (AQ0290MSS06 Rev.1), and the DMTS Road (GP-9).

4. EU ID 27 consists of several insignificant space heaters, each rated at no more than 0.5 MMBtu/hr. The cumulative capacity is

approximately 2.0 MMBtu/hr. The Permittee currently identifies the individual units as Frost Fighter Heaters 1 and 2 (68-112

and 68-113), Modine Heaters 1 and 2 (TS 14-102 and 14-103).

5. EU IDs 5B, 6, and 25 have been removed from the emission unit inventory in Table A as the units are no longer present at the

DMTS Port Facility.

[18 AAC 50.326(a) & 40 C.F.R. 71.5(c)(3)]

### Section 3. State Requirements

#### Visible Emissions Standards

1. Industrial Process and Fuel-Burning Equipment Visible Emissions. The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from EU IDs 1 - 5, 8, 22, 23, 24, 27, and 29 - 39 listed in Table A to reduce visibility

through the exhaust effluent by more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.040(j), 50.055(a)(1), & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

1.1. For EU IDs 1 - 5, 22, and 23, monitor, record and report in accordance with Conditions 3 - 5.

1.2. For EU IDs 8 and 27, as long as they do not exceed the NOx emissions limit in Condition 15.1.c, monitoring shall consist of an annual compliance certification under Condition 89 with the visible emissions standard.

1.3. For EU ID 24, monitor, record, and report in accordance with Condition 26.1.

1.4. For EU IDs 29 - 39, monitor, record and report in accordance with Condition 26.3.

[18 AAC 50.040(j), 50.326(j), & 50.346(c)]

[40 C.F.R. 71.6(a)(3)]

2. Incinerator Visible Emissions. The Permittee shall not cause or allow visible emissions,

excluding condensed water vapor, through the exhaust of EU ID 7, to reduce visibility by

more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.040(j), 50.050(a), & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

2.1. Observe emissions for 18 consecutive minutes to obtain a minimum of 72 observations in accordance with Method 9 of 40 C.F.R. 60, Appendix A, at least once every 12 calendar months.

2.2. Record and report in accordance with Conditions 4.1.a through 5.2.a.

2.3. If any monitoring under Condition 2.1 was not performed, report under Condition 87 within three days of the date the monitoring was required.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3) & (c)(6)]

Visible Emissions Monitoring, Recordkeeping and Reporting

Liquid Fuel-Fired Emission Units (EU IDs 1 - 5, 22, and 23)

3. Visible Emissions Monitoring. The Permittee shall observe the exhaust of EU IDs 1 - 5,

22, and 23 for visible emissions using either the Method 9 Plan under Condition 3.1 or the Smoke/No-Smoke Plan under Condition 3.2. The Permittee may change visible emissions plans for an emission unit at any time unless prohibited from doing so by Condition 3.3. The Permittee may for each unit elect to continue the visible emissions monitoring schedule in effect from the previous permit at the time a renewed permit is issued, if applicable.

[18 AAC 50.040(j), 50.326(j), & 50.346(c)]

[40 C.F.R. 71.6(a)(3)(i)]

3.1. Method 9 Plan. For all 18-minute observations in this plan, observe exhaust, following 40 C.F.R. 60, Appendix A-4, Method 9, adopted by reference in 18 AAC 50.040(a), for 18 minutes to obtain 72 consecutive 15-second opacity observations.

a. First Method 9 Observation. For any unit, observe exhaust for 18 minutes within 14 calendar days after changing from the Smoke/No-Smoke Plan of Condition 3.2.

(i) For any unit replaced during the term of this permit, observe exhaust for 18 minutes within 30 days of startup.

(ii) For each existing emission unit that exceeds the operational threshold in Condition 1.2, observe the exhaust for 18 minutes of operations within 30 days after the calendar month during which that threshold has been exceeded, or within 30 days of the unit's next scheduled operations, whichever is later.

b. Monthly Method 9 Observations. After the first Method 9 observation, perform 18-minute observations at least once in each calendar month that an emission unit operates.

c. Semiannual Method 9 Observations. After observing emissions for three consecutive operating months under Condition 3.1.b, unless a six-minute average is greater than 15 percent and one or more observations are greater than 20 percent, perform 18-minute observations:

(i) Within six months after the preceding observation, or

(ii) For an emission unit with intermittent operations, during the next scheduled operation immediately following six months after the preceding observation.

d. Annual Method 9 Observations. After at least two semiannual 18-minute observations, unless a six-minute average is greater than 15 percent and one or more individual observations are greater than 20 percent, perform 18-minute observations:

- (i) Within twelve months after the preceding observation; or
- (ii) For an emission unit with intermittent operations, during the next scheduled operation immediately following twelve months after the preceding observation

e. Increased Method 9 Frequency. If a six-minute average opacity is observed during the most recent set of observations to be greater than 15 percent and one or more observations are greater than 20 percent, then increase or maintain the 18-minute observation frequency for that emission unit to at least monthly intervals as described in Condition 3.1.b, until the criteria in Condition 3.1.c for semiannual monitoring are met.

3.2. Smoke/No Smoke Plan. Observe the exhaust for the presence or absence of visible emissions, excluding condensed water vapor.

a. Initial Monitoring Frequency. Observe the exhaust during each calendar day that an emission unit operates.

b. Reduced Monitoring Frequency. After the emission unit has been observed on 30 consecutive operating days, if the emission unit operated without visible smoke in the exhaust for those 30 days, then observe emissions at least once in every calendar month that an emission unit operates.

c. Smoke Observed. If smoke is observed, either begin the Method 9 Plan of Condition 3.1 or perform the corrective action required under Condition 3.3

3.3. Corrective Actions Based on Smoke/No Smoke Observations. If visible emissions are present in the exhaust during an observation performed under the Smoke/No Smoke Plan of Condition 3.2, then the Permittee shall either follow the Method 9 plan of Condition 3.1 or

a. initiate actions to eliminate smoke from the emission unit within 24 hours of the observation;

b. keep a written record of the starting date, the completion date, and a description of the actions taken to reduce smoke; and

c. after completing the actions required under Condition 3.3.a,

(i) take Smoke/No Smoke observations in accordance with Condition 3.2.

(A) at least once per day for the next seven operating days and until the initial 30 day observation period is completed; and

(B) continue as described in Condition 3.2.b; or

(ii) if the actions taken under Condition 3.3.a do not eliminate the smoke, or if subsequent smoke is observed under the schedule of Condition 3.3.c(i) (A), then observe the exhaust using the Method 9 Plan unless the Department gives written approval to resume observations under the Smoke/No Smoke Plan; after observing smoke and making observations under the Method 9 Plan, the Permittee may at any time take corrective action that eliminates smoke and restart the Smoke/No Smoke Plan under Condition 3.2.a.

4. Visible Emissions Recordkeeping. When required by any of Conditions 1.1 through 1.3, or in the event of replacement of any EU IDs 1 - 5, 22, and 23 during the permit term, the

Permittee shall keep records as follows:

[18 AAC 50.040(j); 50.326(j) and 50.346(c)]

[40 C.F.R. 71.6(a) (3) (ii)]

4.1. When using the Method 9 Plan of Condition 3.1,

a. the observer shall record

- (i) the name of the stationary source, emission unit and location, emission unit type, observer's name and affiliation, and the date on the Visible Emissions Field Data Sheet in Section 12;
- (ii) the time, estimated distance to the emissions location, sun location, approximate wind direction, estimated wind speed, description of the sky condition (presence and color of clouds), plume background, and operating mode (load or fuel consumption rate or best estimate if unknown) on the sheet at the time opacity observations are initiated and completed;
- (iii) the presence or absence of an attached or detached plume and the approximate distance from the emissions outlet to the point in the plume at which the observations are made;
- (iv) opacity observations to the nearest five percent at 15-second intervals on the Visible Emissions Observation record in Section 12, and
- (v) the minimum number of observations required by the permit; each momentary observation recorded shall be deemed to represent the

average opacity of emissions for a 15-second period.

b. To determine the six-minute average opacity, divide the observations recorded on the record sheet into sets of 24 consecutive observations; sets

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 8 of 73

need not be consecutive in time and in no case shall two sets overlap; for each set of 24 observations, calculate the average by summing the opacity of the 24 observations and dividing this sum by 24; record the average opacity on the sheet.

c. Calculate and record the highest 6-minute and 18-consecutive-minute averages observed.

4.2. If using the Smoke/No Smoke Plan of Condition 3.2, record the following information in a written log for each observation and submit copies of the recorded information upon request of the Department:

- a. the date and time of the observation;
- b. from Table A, the ID of the emission unit observed;
- c. whether visible emissions are present or absent in the exhaust;
- d. a description of the background to the exhaust during the observation;
- e. if the emission unit starts operation on the day of the observation, the startup time of the emission unit;
- f. name and title of the person making the observation; and
- g. operating mode (load or fuel consumption rate).

5. Visible Emissions Reporting. When required by any of conditions 1.1 through 1.3, or in

the event of replacement of any of EU IDs 1 - 5, 22, and 23 during the permit term, the Permittee shall report visible emissions as follows:

[18 AAC 50.040(j), 50.326(j), & 50.346(c)]

[40 C.F.R. 71.6(a)(3)(iii)]

5.1. Include in each operating report under Condition 88 for the period covered by the report:

a. which visible-emissions plan of Condition 3 was used for each emission unit; if more than one plan was used, give the time periods covered by each plan;

b. for each emission unit under the Method 9 Plan,  
(i) copies of the observation results (i.e. opacity observations) for each emission unit that used the Method 9 Plan, except for the observations the Permittee has already supplied to the Department;  
and

(ii) a summary to include:

- (A) number of days observations were made;
- (B) highest six-minute average observed; and

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 9 of 73

(C) dates when one or more observed six-minute averages were greater than 20 percent;

c. for each emission unit under the Smoke/No Smoke Plan, the number of days that Smoke/No Smoke observations were made and which days, if any, that smoke was observed; and

d. a summary of any monitoring or recordkeeping required under Conditions 3 and 4 that was not done;

5.2. Report under Condition 87:

a. the results of Method 9 observations that exceed an average of 20 percent opacity for any six-minute period; and

b. if any monitoring under Condition 3 was not performed when required, report within three days of the date the monitoring was required.

Portable Rock Crusher (EU IDs 29 - 39)

6. Visible Emissions Monitoring, Recordkeeping and Reporting for Crusher Fugitives.

The Permittee shall observe visible emissions for each of EU IDs 29 - 39 as follows:

6.1. Inspect each emission point subject to this condition using Method 9 (40 C.F.R. 60, Appendix A, adopted by reference in 18 AAC 50.040(a)) at the following times (Use Section 12 - Visible Emissions Form):

- a. within two working days after startup at each new location; and
- b. at least once in every 60 days of operation.

6.2. Include results of visible emissions observations with the operating report described in Condition 88 for the period covered by the report.

6.3. Include copies of the records of crusher operation with the operating report required by Condition 88 for the period covered by the report.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 6, Minor Permit No. AQ0289MSS02, 8/20/09]

Particulate Matter Emissions Standards

7. Industrial Process and Fuel-Burning Equipment Particulate Matter. The Permittee shall not cause or allow particulate matter emitted from EU IDs 1 - 5, 8, 22, 23, 24, 27

and 29 - 39 listed in Table A to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.040(j), 50.055(b)(1) & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

7.1. For EU IDs 1 - 5, monitor, record and report in accordance with Conditions 8 and 9.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 10 of 73

7.2. For EU IDs 8 and 27, as long as they do not exceed the NOx emissions limit in Condition 15.1.c, monitoring shall consist of an annual compliance certification under Condition 89 with the particulate matter standard in accordance with Condition 27.4.

7.3. For EU IDs 22 and 23, monitor, record and report in accordance with Conditions 10 through 12.

7.4. For EU ID 24, monitor, record and report in accordance with Condition 26.1.

7.5. For EU IDs 29 - 39, monitor, record and report in accordance with Condition 26.3.

[18 AAC 50.040(j), 50.326(j), & 50.346(c)]

[40 C.F.R. 71.6(a)(3) & (c)(6)]

[Condition 7, Minor Permit No. AQ0289MSS02, 8/20/09]

PM Monitoring, Recordkeeping and Reporting

Liquid Fuel-Fired Engines (EU IDs 1 - 5)

8. Particulate Matter Monitoring for Diesel Engines. The Permittee shall conduct source tests on diesel engines, EU IDs 1 - 5, to determine the concentration of particulate matter

(PM) in the exhaust of an emission unit in accordance with this Condition 8.

[18 AAC 50.040(j), 50.326(j), & 50.346(c)]

[40 C.F.R. 71.6(a)(3)(i)]

8.1. Except as provided in Condition 8.4 within six months of exceeding the criteria of Conditions 8.2.a or 8.2.b, either

a. conduct a PM source test according to requirements set out in Section 6;  
or

b. make repairs so that emissions no longer exceed the criteria of Condition 8.2; to show that emissions are below those criteria, observe emissions as described in Condition 3.1 under load conditions comparable to those when the criteria were exceeded.

8.2. Conduct the PM source test or make repairs according to Condition 8.1 if

a. 18 consecutive minutes of Method 9 observations result in an 18-minute average opacity greater than 20 percent; or

b. for an emission unit with an exhaust stack diameter that is less than 18



inches, 18 consecutive minutes of Method 9 observations result in an 18-minute average opacity that is greater than 15 percent and not more than 20 percent, unless the Department has waived this requirement in writing.

8.3. During each one-hour PM source test run, observe the exhaust for 60 minutes in accordance with Method 9 and calculate the highest average 6-minute opacity that was measured during each one-hour test run. Submit a copy of these observations with the source test report.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 11 of 73

8.4. The automatic PM source test requirement in Conditions 8.1 and 8.2 is waived for an emissions unit if a PM source test on that unit has shown compliance with the PM standard during this permit term.

9. Particulate Matter Reporting for Diesel Engines. The Permittee shall report as follows:

[18 AAC 50.040(j), 50.326(j), & 50.346(c)]

[40 C.F.R. 71.6(a)(3)(iii)]

9.1. Report under Condition 87

a. the results of any PM source test that exceed the PM emissions limit; or  
b. if one of the criteria of Condition 8.2 was exceeded and the Permittee did not comply with either Condition 8.1.a or 8.1.b, this must be reported by the day following the day compliance with Condition 8.1 was required;

9.2. Report observations in excess of the threshold of Condition 8.2.b within 30 days of the end of the month in which the observations occur;

9.3. In each operating report under Condition 88, include for the period covered by the report:

a. the dates, EU ID(s), and results when an observed 18-minute average was greater than an applicable threshold in Condition 8.2;  
b. a summary of the results of any PM testing under Condition 8; and  
c. copies of any visible emissions observation results (opacity observations) greater than the thresholds of Condition 8.2, if they were not already submitted.

For Liquid Fuel-Fired Boilers (EU IDs 22 and 23)

10. Particulate Matter Monitoring for Liquid Fuel-Fired Boilers. The Permittee shall conduct source tests on EU IDs 22 and 23 to determine the concentration of PM in the exhaust of EU IDs 22 and 23 as follows:

[18 AAC 50.040(j), & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(i) & (c)(6)]

10.1. Except as required under Condition 10.3, conduct a PM source test according to

the requirements set out in Section 6 no later than 90 calendar days after any time corrective maintenance fails to eliminate visible emissions greater than the 20 percent opacity threshold for two or more 18-minute observations in a consecutive six-month period.

10.2. During each one-hour PM source test run, observe the exhaust for 60 minutes in accordance with Method 9 and calculate the average opacity that was measured during each one-hour test run. Submit a copy of these observations with the source test report.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021  
Page 12 of 73

10.3. The PM source test requirement in Condition 10 is waived for an emission unit if:  
a. a PM source test on that unit has shown compliance with the PM standard during the permit term; or

b. corrective action is taken and two 18-minute visible emissions observations in a consecutive six-month period show that the excess visible emissions described in Condition 10.1 no longer occur.

11. Particulate Matter Recordkeeping for Liquid Fuel-Fired Boilers. The Permittee shall keep records of the results of any PM testing and visible emissions observations conducted under Condition 10.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(ii) & (c)(6)]

12. Particulate Matter Reporting for Liquid Fuel-Fired Boilers. The Permittee shall report as follows:

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(iii) & (c)(6)]

12.1. In each operating report required by Condition 88, include for the period covered by the report:

a. the dates, EU ID(s), and results when an 18-minute opacity observation was greater than the applicable threshold criterion in Condition 3.1.e.

b. a summary of the results of any PM testing and visible emissions observations conducted under Condition 10.

12.2. Report as excess emissions, in accordance with Condition 87, any time the results of a source test for PM exceed the PM emission limit stated in Condition 7.

Sulfur Compound Emission Standards Requirements

13. Sulfur Compound Emissions. In accordance with 18 AAC 50.055(c), the Permittee shall not cause or allow sulfur compound emissions, expressed as SO<sub>2</sub>, from EU IDs 1 - 5, 8, 22,

23, and 27 to exceed 500 ppm averaged over three hours.

[18 AAC 50.040(j), 50.055(c), & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

#### Sulfur Compound Monitoring, Recordkeeping, and Reporting Requirements

For Fuel Oil (EU IDs 1 - 5, 8, 22, 23, and 27)

14. Sulfur Compound Monitoring and Recordkeeping for Fuel Oil-Fired Emission Units. The Permittee shall comply with the following:

1 Oil means crude oil or petroleum or a liquid fuel derived from crude oil or petroleum, including distillate and residual oil, as defined in 40 C.F.R. 60.41b, effective 7/1/07.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 13 of 73

14.1. The Permittee shall limit the fuel sulfur content limit of 0.5 percent by weight as

required by Condition 20.1.2

a. For EU ID 8, obtain a sample of used oil during each calendar month from the emission unit fuel tank and analyze the used oil according to Condition 14.2 to determine the sulfur content. A sample does not need to be obtained or tested during a calendar month in which no used oil is added to the tank.

b. For distillate fuel, obtain a statement or receipt from the fuel supplier certifying the maximum sulfur content of the fuel for each shipment of fuel delivered to the stationary source. If a certificate is not available from the supplier, analyze a representative sample of the fuel according to Condition 14.2 to determine the sulfur content.

[Condition 4, Minor Permit No. AQ0289MSS01, 10/31/05]

14.2. If required under Conditions 14.1.a or 14.1.b, analyze the fuel samples using an appropriate method listed in 18 AAC 50.035(b)-(c) and 40 C.F.R. 60.17 incorporated by reference in 18 AAC 50.040(a)(1).

14.3. Keep records of the statement or receipt from the fuel supplier required under Condition 14.1.b or the sulfur content analysis required under or Condition 14.2.

14.4. The Permittee shall report as follows:

a. Report in each operating report required by Condition 88, all records obtained under Condition 14.3

b. Report as excess emissions, in accordance with Condition 87, whenever the fuel combusted causes sulfur compound emissions to exceed the standard of Condition 13. When reporting under this condition, include the calculated SO<sub>2</sub> emissions in ppm using Method 19 of 40 C.F.R. 60, Appendix A-7, adopted by reference in 18 AAC 50.040(a).

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3) & (c)(6)]

### Preconstruction3 Permit Requirements

#### Owner Requested Limits to Avoid PSD Major Modification

15. NOx Emissions Limit. The Permittee shall limit the NOx emissions from EU IDs 1 - 5, 7, 8, 22, 23, and 27 to no greater than 247 tons per 12-month rolling period.

15.1. Monitor and record as follows:

a. For EU IDs 1, 2, 3, and 4 (NOx Group A):

2 Compliance with the fuel sulfur limit of 0.5 percent in Condition 20.1 will assure compliance with the 500-ppm SO2 emission

limit of Condition 13.

3 Preconstruction refers to permits issued before the split Construction and Operating Permits Program, and includes Federal

PSD Permits, or State-issued Permits-to-Operate.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 14 of 73

(i) Install and operate for each unit a dedicated kilowatt production meter with an accuracy of +/- 1 %;

(ii) Install and operate for each unit a dedicated engine hour meter;

(iii) Monitor and record the total daily kilowatt-hours of production and the total daily engine hours of operation for each unit;

(iv) Calculate and record the daily average kilowatt load for each unit, by dividing the total daily kilowatt-hours by the total daily engine hours of operation;

(v) Calculate and record the daily NOx emissions (in pounds) for each unit by multiplying the total daily kilowatt-hours by the NOx emission factor listed in Table B below for the daily average kilowatt load.

(A) For any period during which the total daily kilowatt-hours are either unknown or suspect, estimate the daily NOx emissions by multiplying the total daily engine hours of operation by the following emission factor (as applicable):

(1) 22.4 pounds of NOx per hour each for EU IDs 1, 2, and 3; and

(2) 38.1 pounds of NOx per hour for EU ID 4.

(B) For any period for which the total daily engine hours of operation is either unknown or suspect, estimate the daily NOx emissions by multiplying the applicable emission factor from Condition 15.1.a(v)(A) by 24 (hours per day);

(vi) By the end of each calendar month, calculate and record the

cumulative monthly NOx emissions (in pounds) for NOx Group A by summing all daily NOx emissions calculated under Condition 15.1.a(v) for the previous calendar month.

(vii) By the end of each calendar month, calculate and record the Group A twelve month rolling NOx emissions (in tons) by summing the cumulative monthly NOx emissions during the previous 12 months and dividing the sum by 2,000 (lb/ton).

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 15 of 73

Table B - NOx Emission Factors for EU IDs 1, 2, 3, and 4

EU ID TS No. Description

Specific NOx Emission

Factor4

(lb/kW-hr)

Load Range for

Applying Factor

(kW-e)

1 94-02 Port Generator No. 2

Caterpillar 3508TA

0.035 ≥ 585

0.039 ≥ 487 and < 585

0.044 ≥ 390 and < 487

0.051 ≥ 260 and < 390

0.074 < 260

2 94-03 Port Generator No. 3

Caterpillar 3508TA

0.035 ≥ 585

0.039 ≥ 487 and < 585

0.044 ≥ 390 and < 487

0.051 ≥ 260 and < 390

0.074 < 260

3 94-04 Port Generator No. 4

Caterpillar 3508TA

0.035 ≥ 585

0.039 ≥ 487 and < 585

0.044 ≥ 390 and < 487

0.051 ≥ 260 and < 390

0.074 < 260

4 94-32 Port Generator No. 1

Caterpillar 3516A

0.029  $\geq$  1,157

0.033  $\geq$  964 and  $<$  1,157

0.038  $\geq$  771 and  $<$  964

0.043  $\geq$  514 and  $<$  771

0.054  $<$  514

b. For EU IDs 5, 7, 22, and 23 (NOx Group B):

(i) Install and operate for each unit a dedicated operation hour meter;

(ii) Monitor and record the total monthly hours of operation for each unit;

4 The Specific NOx Emission Factor is based on source test results for all but the smallest engine load ranges. The NOx

emission factor for the smallest engine loads (which represents loads of less than 40%) is based on vendor emissions data.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 16 of 73

(iii) Calculate and record the monthly NOx emissions for each unit by multiplying the total monthly hours of operation by the NOx emission factor listed in Table C. If the total monthly hours of operation is unknown or suspect, estimate the monthly NOx emissions by multiplying the NOx emission factor by the total hours of the month that is unknown or suspect;

(iv) By the end of each calendar month, calculate and record the cumulative monthly NOx emissions (in pounds) for NOx Group B by summing the monthly NOx emissions calculated in Condition 15.1.b(iii) for the previous calendar month.

(v) By the end of each calendar month, calculate and record the Group B 12-month rolling NOx emissions (in tons) by summing the cumulative monthly NOx emissions during the previous 12 months and dividing the sum by 2,000 (lb/ton).

Table C - NOx Emission Factors for EU IDs 5, 7, 22 and 23

EU ID TS No. Description /Rating

NOx Emission Factor

(lb/hr)5

5 94-10 Caterpillar 3208TA / 150 kW 6.3 lb/hr

7 08-42 Advanced Combustion Incinerator CA-300 0.45 lb/hr

22 14-29 Cleaver-Brooks Boiler No. 1 0.63 lb/hr

23 14- 30 Cleaver -Brooks Boiler No. 2 0.63 lb/hr

c. For EU IDs 8 and 27 (NOx Group C), the Group C 12-month rolling NOx emissions shall be estimated as 1.4 tons.

d. By the end of each calendar month, calculate and record the total 12-month rolling NOx emissions (in tons) by adding the Group A 12-month rolling NOx emissions, the Group B 12-month rolling NOx emissions, and the Group C 12-month rolling NOx emissions.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 5, Minor Permit No. AQ0289MSS01, 10/31/05]

15.2. For EU IDs 1 - 5, conduct NOx source tests according to the procedures specified in Section 6 at least once every five years. Within 90-days of when the combined total 12-month rolling NOx emissions calculated in Condition 15.1.d reach 225 tons, also conduct NOx source tests on EU IDs 7, 22, and 23 as follows:

5 The NOx emission factors presented in Exhibit B are fixed values and apply regardless of load. The engine and incinerator

values are derived from AP-42. The boiler values are derived from vendor data. ADEC converted all factors to lb/hr values.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 17 of 73

a. For EU IDs 1 - 4, conduct tests at no less than five loads representative of each emission unit's typical operative range unless that range is less than 10 percent of the rated capacity. In that instance, test at the highest typical operating range of the unit. Emissions rates shall be calculated in units of lb/kW-hr for each load.

b. For EU IDs 5, 7, 22, and 23, test at the highest operating range of the unit. Emission rates shall be calculated in units of lb/hr. EU IDs 5, 7, 22, and 23 need only be tested at most once during the life of the permit if triggered by Condition 15.2.

c. For units of the same make, model, design configuration, and controller logic settings, one unit within the group can be tested.

d. If Department approved source tests indicate the emission factors are greater than the emission factors in Table B and/or Table C, then the Permittee shall use the recent source test emission factors in lieu of the Table B and/or Table C emission factors. If source tests indicate the emission factor are less than the emission factors in Table B and/or Table C, then the Permittee may seek a minor permit to revise the emission factors in Table B and/or Table C.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3) & (c)(6)]

15.3. Report as excess emissions, as required by Condition 87, if the total 12-month rolling NOx emissions (as calculated under Condition 15.1.d) exceeds 247 tons per 12-month rolling period.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 6, Minor Permit No. AQ0289MSS01, 10/31/05]

15.4. In each operating report submitted under Condition 88, report the total 12-month rolling NOx emissions (as calculated under Condition 15.1.d) for each 12-month period covered by the operating report.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 7, Minor Permit No. AQ0289MSS01, 10/31/05]

16. Incinerator Intake Limit. The Permittee shall not exceed 400 lb/hr hourly intake of solid waste in EU ID 7.

16.1. Monitoring shall consist of weighing a representative sample of 100 individual garbage bags to determine an average garbage bag weight.

16.2. Keep records of the number of bags burned per hour.

16.3. Multiply the number of bags burned per hour by the average bag weight, and report the weight burned per hour in the operating report in Condition 88.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 18 of 73

16.4. Report in accordance with Condition 87 whenever the limit in Condition 16 is exceeded.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(i) - (iii) & (c)(6)]

[Permit to Operate No. 9632-AA001, Exhibit B, 7/15/96]

Ambient Air Quality Protection Requirements

17. General Ambient Air Quality Provisions. The Permittee shall comply with the following provisions to protect the NO<sub>2</sub>, SO<sub>2</sub> and PM-10 air quality standards:

17.1. Air Quality Boundary. Establish and maintain the ambient boundaries used in the ambient air compliance demonstration, using the procedures described in Condition 18.

17.2. Stack Configuration. For EU IDs 1, 2, 3 and 4, the Permittee shall

a. maintain a release height for each exhaust stack at 11.2 meters or more above grade, and

b. maintain each exhaust stack with uncapped, vertical outlets - flapper valves, or similar, are allowed for these units as long as they do not hinder the vertical momentum of the exhaust plume.



[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 8, Minor Permit No. AQ0289MSS01, 10/31/05]

18. Public Access Control Plan. The Permittee shall establish and maintain the ambient air

boundaries as follows:

18.1. Comply with the provisions contained in the October 2004 "DeLong Mountain Regional Transportation System Port Stationary Source Public Access Control Plan," found in Section 11, or a subsequent written version approved by the Department that:

- a. incorporates typographical corrections, grammatical corrections, or improved clarity, and/or administrative changes, but
- b. does not change the substantive content of the Public Access Control Plan.

18.2. Post and maintain all warning signs described in the Public Access Control Plan as follows:

- a. post all signs as stated in the Public Access Control Plan;
- b. use a font, font size and contrast coloring that makes all lettering easy to read;
- c. inspect and repair the signs according to the schedule described in the Public Access Control Plan; and
- d. keep all signs free of nearby visible obstructions.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 19 of 73

18.3. Notify the public of all temporary closures of the public access routes using each

of the procedures established in the Public Access Control Plan.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 9, Minor Permit No. AQ0289MSS01, 10/31/05]

19. NO2 Ambient Air Quality Protection. The Permittee shall protect the NO2 ambient air quality standard by complying with Condition 15.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 10, Minor Permit No. AQ0289MSS01, 10/31/05]

20. SO2 Ambient Air Quality Protection. The Permittee shall protect the SO2 ambient air quality standard, as follows:

20.1. Limit the liquid fuel sulfur content to no greater than 0.50 percent by weight for

all combustion units operating at the DMTS Port Facility. Monitor, record, and

report as described in Conditions 14.1.a through 14.4.a. Report as described in Condition 87 any time the fuel sulfur content exceeds 0.5 percent by weight.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Conditions 4 & 11, Minor Permit No. AQ0289MSS01, 10/31/05]

21. PM-10 Ambient Air Quality Protection. The Permittee shall protect the PM-10 ambient air quality standard as follows:

21.1. Do not cause or allow particulate matter emitted from EU IDs 9 - 15 listed in Table A to exceed 0.01 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours. Monitor, record, and report in accordance with Conditions 22 through 24.

21.2. Comply with Conditions 22 through 24, 67, and 68.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 11 & Exhibit B, Permit to Operate No. 9632-AA001, 7/15/96]

[Condition 12, Minor Permit No. AQ0289MSS01, 10/31/05]

22. Particulate Matter Monitoring for Baghouses. The Permittee shall monitor particulate

matter emissions from the dust collectors EU IDs 9 - 15 and 28 (per Condition 26.2.b) as

follows:

22.1. Maintain the pressure differential across the bags in the baghouse as determined during source testing or by manufacturer's specifications, necessary to maintain the limit in Condition 21.1. Observe and record the pressure differential and operational hours meter readings once per week.

[Exhibit B, Permit to Operate No. 9632-AA001, 7/15/96]

a. If the pressure differential across the baghouse increases to within 95% of the upper limit established by the manufacturer, within 24 hours take steps to clean the bags of excess trapped dust.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 20 of 73

b. If the pressure differential across the baghouse drops to less than 5% of the allowed range above the lower limit established by the manufacturer, within 24 hours perform an inspection of the bags and baghouse assembly to ascertain the integrity of the system.

c. If any bags are found with holes or tears or deterioration which renders them ineffectual, the bags shall be replaced within 24 hours.

d. If after cleaning the bags of excess dust or replacing torn or deteriorated bags, the pressure differential recommended by the manufacturer cannot

be maintained, conduct a PM source test according to the requirements set out in Section 6 within 120 days to confirm whether or not the PM emission limits in Condition 21.1 are being maintained.

22.2. Once per week at the time the baghouse differential pressure readings are taken, perform a visual inspection of the exhaust outlet of the dust collectors.

a. If no dust is seen during the weekly visual inspections, continue with the weekly inspections.

b. If dust is seen during a weekly visual inspection, within 24 hours perform an inspection of the bags and baghouse assembly to ascertain the integrity of the system.

c. If any bags are found with holes or tears or deterioration which renders them ineffectual the bags shall be replaced within 24 hours.

d. If after making repairs, dust is still visible in the exhaust from the unit, conduct a PM source test according to the requirements set out in Section 6 within 120 days to confirm whether the PM emission limits in Condition 21.1 are being maintained.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(i) & (c)(6)]

23. Particulate Matter Recordkeeping for Baghouses. For EU IDs 9 - 15 and 28 (per Condition 26.2.b), the Permittee shall

23.1. Keep records of the results of any PM testing conducted under Conditions 22.1 or 22.2; and

23.2. Maintain results of baghouse inspections and records of bags replaced and repairs conducted at the stationary source, as required under Conditions 22.1 and 22.2, for inspection at the request of the Department.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(ii) & (c)(6)]

24. Particulate Matter Reporting for Baghouses. For EU IDs 9 - 15 and 28 (per Condition 26.2.b), the Permittee shall report as follows:

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 21 of 73

24.1. Report all differential pressure, operating hour meter readings, and results of all

weekly visible dust inspections required under Condition 22.1 and 22.2 in the semi-annual operating reports required by Condition 88.

24.2. In each operating report required by Condition 88, include a summary of the results of any PM testing conducted under Condition 22.1 or 22.2.

24.3. Report as excess emissions, in accordance with Condition 87, any time the results

of a source test for PM exceeds the PM emission limit stated in Condition 21.1 (for EU IDs 9 - 15).

[18 AAC 50.040(j), & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(iii) & (c)(6)]

25. Fugitive Dust Ambient Air Quality Protection. For EU IDs 30 and 35, the Permittee shall comply as follows:

25.1. Only crush material that is wet. Wet suppression methods consists of placement of spray nozzles at EU IDs 30 and 35 that are only required to operate if wetting is insufficient following:

- a. material being wet due to ambient or naturally occurring conditions such as rain; or
- b. material being wet due to water spraying prior to being fed into the rock crusher.

25.2. Monitor using visual observations to ensure that dust is continuously controlled (i.e., apply more water if rock crusher operations are generating dust at any time).

25.3. Keep records in accordance with Condition 67.2.

25.4. Report in accordance with Condition 67.3.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 9, Minor Permit No. AQ0289MSS02, 8/20/09]

26. Emission Unit-Specific Fugitive Dust Control Requirements. For EU IDs 24, 28, and 29 - 39, the Permittee shall:

26.1. For EU ID 24 (Barge Loadout Snorkel):

- a. Operate EU ID 24 during all barge loadout operations.
- b. Perform a visual survey of air borne particulate matter in accordance with the procedures listed in 40 C.F.R. 60, Appendix A, Reference Method 22 at least once during each concentrate ship loading operation.
  - (i) Take corrective action to prevent particulate matter emissions when particulate matter is observed leaving the barge or a nondischarge point of the snorkel (i.e., through tears/gaps), during the Method 22 observation, or at any other time during a barge loading operation.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 22 of 73

- (ii) Keep contemporaneous records of all surveys performed and corrective actions taken to prevent particulate matter emissions from leaving the snorkel/barge.

(iii) Provide a summary of the contemporaneous records with the

operating report submitted under Condition 88.

c. Maintain and operate EU ID 24 according to the manufacturer recommendations and the operator maintenance and operation procedures.

d. Maintain maintenance logs describing equipment inspections, parts replacements and any other repairs conducted on EU ID 24. Keep records for five years.

26.2. For EU ID 28 (Truck Unloading Baghouse):

a. Operate EU ID 28 during all truck unloading operations.

b. Comply with the particulate matter monitoring, recordkeeping and reporting requirements under Conditions 22 through 24.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 15, Minor Permit No. AQ0289MSS01, 10/31/05]

26.3. For EU IDs 29 - 39 (Portable Rock Crusher):

a. Take reasonable precautions to prevent the release of airborne PM and fugitive dust from the rock crusher. Reasonable precautions for rock crushers to prevent PM from becoming airborne include, as necessary:

(i) clean-up of loose material on work surfaces;

(ii) minimizing drop distances on conveyor systems and lowering loader buckets to be in contact with the surface of the soil or ground before dumping; and

(iii) application of water or suitable chemicals to road surfaces to prevent the generation of fugitive dust.

b. Keep records in accordance with Condition 67.2.

c. Report in accordance with Condition 67.3.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)]

[Condition 7, Minor Permit No. AQ0289MSS02, 8/20/09]

Insignificant Emission Units

27. For EU IDs 8 and 27 listed in Table A and for emission units at the stationary source that

are insignificant as defined in 18 AAC 50.326(d)-(i) that are not listed in this permit, the

following apply:

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 23 of 73

27.1. VE Standard: The Permittee shall not cause or allow visible emissions, excluding condensed water vapor, emitted from an industrial process, fuelburning equipment, or an incinerator to reduce visibility through the exhaust

effluent by more than 20 percent averaged over any six consecutive minutes.

[18 AAC 50.050(a) & 50.055(a)(1)]

27.2. PM Standard: The Permittee shall not cause or allow particulate matter emitted from an industrial process or fuel-burning equipment to exceed 0.05 grains per cubic foot of exhaust gas corrected to standard conditions and averaged over three hours.

[18 AAC 50.055(b)(1)]

27.3. Sulfur Standard: The Permittee shall not cause or allow sulfur compound emissions, expressed as SO<sub>2</sub>, from an industrial process or fuel-burning equipment, to exceed 500 ppm averaged over three hours.

[18 AAC 50.055(c)]

27.4. General MR&R for Insignificant Emission Units

- a. The Permittee shall submit the certification of compliance of Condition 89 based on reasonable inquiry;
- b. The Permittee shall comply with the requirements of Condition 70;
- c. The Permittee shall report in the operating report required by Condition 88 if an emission unit is insignificant because of actual emissions less than the thresholds of 18 AAC 50.326(e) and actual emissions become greater than any of those thresholds; and
- d. No other monitoring, recordkeeping or reporting is required, except as provided in Condition 15.

[18 AAC 50.346(b)(4)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 24 of 73

#### Section 4. Federal Requirements

##### Emission Units Subject to Federal NSPS Subpart A

28. NSPS Subpart A Notification. For any affected facility<sup>6</sup> or existing facility<sup>7</sup> regulated

under NSPS requirements in 40 C.F.R. 60, the Permittee shall furnish the Department and EPA written or electronic notification of:

[18 AAC 50.035 & 50.040(a)(1)]

[40 C.F.R. 60.7(a) & 60.15(d), Subpart A]

28.1. the date that construction or reconstruction of an affected facility commences postmarked no later than 30 days after such date;

[40 C.F.R. 60.7(a)(1), Subpart A]

28.2. the actual date of initial startup of an affected facility postmarked within 15 days

after such date;

[40 C.F.R. 60.7(a)(3), Subpart A]

28.3. any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies unless that change is specifically exempted under an applicable subpart or in 40 C.F.R. 60.14(e), postmarked 60 days or as soon as practicable before the change is commenced and shall include:

- a. information describing the precise nature of the change,
- b. present and proposed emission control systems,
- c. productive capacity of the facility before and after the change, and
- d. the expected completion date of the change;

[40 C.F.R. 60.7(a)(4), Subpart A]

28.4. the date of a continuous monitoring system performance demonstration, postmarked not less than 30 days prior to such date;

[40 C.F.R. 60.7(a)(5), Subpart A]

28.5. the anticipated date for conducting the opacity observations required by 40 C.F.R. 60.11(e)(1), including, if appropriate, a request for the Department to provide a visible emissions reader during a performance test, postmarked not less than 30 days prior to such date;

[40 C.F.R. 60.7(a)(6), Subpart A]

6 Affected facility means, with reference to a stationary source, any apparatus to which a standard applies, as defined in

40 C.F.R. 60.2,

7 Existing facility means, with reference to a stationary source, any apparatus of the type for which a standard is promulgated in

40 C.F.R. Part 60, and the construction or modification of which was commenced before the date of proposal of that standard;

or any apparatus which could be altered in such a way as to be of that type, as defined in 40 C.F.R. 60.2, effective 7/1/07.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 25 of 73

28.6. that continuous opacity monitoring system data results will be used to determine compliance with the applicable opacity standard during a performance test required in lieu of Method 9 observation data as allowed by 40 C.F.R.

60.11(e)(5), postmarked not less than 30 days prior to the date of the performance test; and

[40 C.F.R. 60.7(a)(7), Subpart A]

28.7. any proposed replacement of an existing facility, for which the fixed capital cost

of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable entirely new facility, postmarked as soon as practicable, but no less than 60 days before commencement of replacement, and

including the following information:

[40 C.F.R. 60.15(d), Subpart A]

- a. the name and address of owner or operator,
- b. the location of the existing facility,
- c. a brief description of the existing facility and the components that are to be replaced,
- d. a description of the existing and proposed air pollution control equipment,
- e. an estimate of the fixed capital cost of the replacements, and of constructing a comparable entirely new facility,
- f. the estimated life of the existing facility after the replacements, and
- g. a discussion of any economic or technical limitations the facility may have in complying with the applicable standards of performance after the proposed replacements .

29. NSPS Subpart A Startup, Shutdown, & Malfunction Requirements. The Permittee shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of EU IDs 29 - 39, any malfunctions of associated airpollution control equipment, or any periods during which a continuous monitoring system or monitoring device is inoperative.

[18 AAC 50.040(a)(1)]

[40 C.F.R. 60.7(b), Subpart A]

30. NSPS Subpart A Performance (Source) Tests. The Permittee shall conduct source tests according to 40 C.F.R. 60.8 and Section 6 on any affected facility at such times as may be required by EPA, and shall provide the Department and EPA with a written report of the results of the source test.

[18 AAC 50.040(a)(1)]

[40 C.F.R. 60.8(a), Subpart A]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 26 of 73

31. NSPS Subpart A Good Air Pollution Control Practice. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain and operate EU IDs 29 - 39 including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. The Administrator will determine whether acceptable operating and maintenance procedures are being used based on information available, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance records, and inspections of EU IDs 29 - 39.

[18 AAC 50.040(a)(1)]



[40 C.F.R. 60.11(d), Subpart A]

32. NSPS Subpart A Credible Evidence. For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of

the standards set forth in Condition 36 nothing in 40 C.F.R. Part 60 shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether EU IDs 29 - 39 would have been in compliance with applicable requirements of 40 C.F.R. Part 60 if the appropriate performance or compliance test or procedure had been performed.

[18 AAC 50.040(a)(1)]

[40 C.F.R. 60.11(g), Subpart A]

33. NSPS Subpart A Concealment of Emissions. The Permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an

emission which would otherwise constitute a violation of a standard set forth in Condition 36. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard that is based

on the concentration of a pollutant in the gases discharged to the atmosphere.

[18 AAC 50.040(a)(1)]

[40 C.F.R. 60.12, Subpart A]

Sewage Treatment Plants Subject to NSPS Subpart O, EU ID 7

34. NSPS Subpart O Exemption Requirements. For EU ID 7, the Permittee shall keep records to show that the incinerator EU ID 7 does not combust more than 10 percent sewage sludge, or more than 1000 kg (2205 lb) per day of municipal sewage sludge.

[40 C.F.R. 60.150(a)]

Nonmetallic Mineral Processing Plants Subject to NSPS Subpart OOO, EU IDs 29 - 39

35. NSPS Subpart OOO Requirements. For EU IDs 29 - 39, the Permittee shall comply with any applicable requirement for nonmetallic mineral processing plants whose construction, modification, or reconstruction commences after August 31, 1983.

[40 C.F.R. 60.670(a)(1)& (e)]

35.1. Comply with the applicable provisions of Subpart A, except as specified in Table 1 to Subpart OOO (see Conditions 37.2, 37.4, 38.2, and 38.3.c).

[40 C.F.R. 60, Subpart OOO, Table 1]

[18 AAC 50.040(a)(2)(FF) & 50.040 (j); 18 AAC 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 27 of 73

36. NSPS Subpart OOO PM Standards. For EU IDs 30 - 39, the Permittee shall meet the

fugitive emission limits and compliance requirements in Table 3 of 40 C.F.R. 60 Subpart 000 as follows:

36.1. For units that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, comply with the following opacity limits:

- a. 10 percent for EU IDs 31 - 34 and 36 - 39 (grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations); and
- b. 15 percent for EU IDs 30 and 35 (crushers at which a capture system is not used).

36.2. The requirements in Table 3 of 40 C.F.R. 60 Subpart 000 apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems.

36.3. Truck dumping of nonmetallic minerals into any screening operation, feed hopper (EU ID 29), or crusher is exempt from the requirements of 40 C.F.R. 60.672.

[40 C.F.R. 60.672(b) & (d), Table 3, Subpart 000]

[18 AAC 50.040(a)(2)(FF) & 50.040 (j); 18 AAC 50.326(j)]

[40 C.F.R. 71.6(a)(1), 7/2/07]

37. NSPS Subpart 000 Test Methods and Procedures. In conducting the performance tests required in 40 C.F.R. 60.8, the Permittee shall use as reference methods and procedures the test methods in Appendices A-1 through A-7 of 40 C.F.R. 60 or other methods and procedures as specified in Subpart 000, except as provided in 60.8(b).

[40 C.F.R. 60.675(a), Subpart 000]

37.1. In determining compliance with the particulate matter standards in 40 C.F.R. 60.672(b) or 60.672(e)(1), the Permittee shall use Method 9 of 40 C.F.R. 60, Appendix A-4 and the procedures in 40 C.F.R. 60.11, with the additions as specified in 40 C.F.R. 60.675(c)(1).

[40 C.F.R. 60.675(c)(1), Subpart 000]

37.2. When determining compliance with the fugitive emissions standard for any affected facility described under 40 C.F.R. 60.672(b) or 60.672(e)(1), the duration of the Method 9 (40 C.F.R. 60, Appendix A-4) observations shall be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits shall be based on the average of the five 6-minute averages.

[40 C.F.R. 60.675(c)(3), Subpart 000]

37.3. The Permittee may use alternatives to the reference methods and procedures as specified in 40 C.F.R. 60.675(e).

[40 C.F.R. 60.675(e), Subpart 000]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

37.4. For performance tests involving only Method 9 (40 C.F.R. 60 Appendix A-4) testing, the Permittee may reduce the 30-day advance notification of performance test in 40 C.F.R. 60.7(a)(6) and 60.8(d) to a 7-day advance notification.

[40 C.F.R. 60.675(g), Subpart 000]

38. NSPS Subpart 000 Reporting and Recordkeeping. The Permittee shall submit reports as follows:

38.1. Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 C.F.R. 60.672, including reports of opacity observations made using Method 9 (40 C.F.R. 60, Appendix A-4) to demonstrate compliance with 60.672(b), (e) and (f).

[40 C.F.R. 60.676(f), Subpart 000]

38.2. The Subpart A requirement under 40 C.F.R. 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 C.F.R. 60 Subpart 000.

[40 C.F.R. 60.676(h), Subpart 000]

38.3. A notification of the actual date of initial startup of each affected facility shall be

submitted to the Administrator.

a. For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.

b. For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

[40 C.F.R. 60.676(i), Subpart 000]

c. Notifications and reports required under Subpart 000 and under Subpart A of 40 C.F.R. Part 60 to demonstrate compliance with Subpart 000 need only to be sent to the EPA Region or the State which has been delegated authority according to 40 C.F.R. 60.4(b).

[40 C.F.R. 60.676(k), Subpart 000]

[18 AAC 50.040(a)(2)(FF) & 50.040 (j); 18 AAC 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

40 C.F.R. 62 Subpart III Exemption Requirements for Incinerators, EU ID 7

39. Advanced Combustor Refuse Incinerator Commercial and Industrial Waste Limit.

The Permittee shall ensure that the total quantity (pounds) of municipal solid waste or refuse-derived fuel is greater than 30 percent of the total waste (pounds) incinerated

on a

calendar quarter basis to qualify for an exemption of 40 C.F.R. 62, Subpart III for existing Commercial and Industrial Solid Waste Incinerators.

[40 C.F.R. 62.14525(c)(2)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 29 of 73

39.1. Weigh municipal solid waste, any refuse-derived fuel, and all other wastes burned. Keep records on a calendar quarter basis of the weight of municipal solid waste and refuse-derived fuel burned and the weight of all other fuels and wastes burned in EU ID 7. Calculate the calendar quarter percent weight of municipal solid waste and refuse-derived fuel burned for each quarter to demonstrate compliance with Condition 39.

39.2. Keep copies of the exemption claim notification provided to the Federal Administrator pursuant to 40 C.F.R. 62.14525(c)(2)(i).

39.3. Report, under Condition 87, if the weight of municipal solid waste and refusederived

fuel is less than the 30 percent exemption threshold of Condition 39 for a given calendar quarter.

39.4. Report in the operating report under Condition 88, the calculated percent of municipal solid waste and refuse derived fuel incinerated for the calendar quarters in the period covered by the report.

[18 AAC 50.040(g)(4) & (j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a); 40 C.F.R. 62.14525(c)(2)]

Emission Units Subject to Federal 40 C.F.R. 61 NESHAPS Subpart A, EU ID 7

40. NESHAP Subpart A - General Provisions. The Permittee shall comply with the requirements of 40 C.F.R. 61 Subpart A for operations at the DeLong Mountain Regional Transportation System Port Facility for EU ID 7 as set forth in 40 C.F.R. 61.

[18 AAC 50.040(b)(1)]

[40 C.F.R. 61 Subpart A]

Incinerators Subject to 40 C.F.R. 61 NESHAP Subpart E, EU ID 7

41. NESHAP Subpart E Emission Standards. The Permittee shall not cause or allow the emissions to the atmosphere from EU ID 7 to exceed 3.2 kg (7.1 lb) of mercury per 24-hour period.

[18 AAC 50.040(b)(2)(A) & 50.040(j)(4)]

[40 C.F.R. 61.52(b), Subpart E]

41.1. Monitoring. Demonstrate compliance with the mercury standard of Condition 41 by conducting a source test for mercury according to Method 101A or Method 105 of Appendix B and Section 6, within 1 year of the effective date of the

permit.

a. The Permittee shall record and report, in accordance with Condition 87, emissions of mercury in excess of the standard.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(i) & (c)(6)]

41.2. Recordkeeping. Records of emission test results, as required by 40 C.F.R. 61.53(d), and other data needed to determine total mercury emissions shall be retained at the source and shall be made available, for inspection by the Department, in accordance with Condition 83.

[18 AAC 50.040(b)(2)(A) & 50.326(j)]

[40 C.F.R. 61.53(d)(6)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 30 of 73

41.3. No changes in the operation of a plant shall be made after a sludge test has been conducted which would potentially increase emissions above the level determined by the most recent sludge test, until the new emission level has been estimated by calculation and the results reported to the Department.

[40 C.F.R. 61.54(e)]

41.4. Reporting. Records of sludge sampling and charging rate determination, as required by 40 C.F.R. 61.54, and other data needed to determine mercury content of wastewater treatment plant sludge shall be retained at the source and made available, for inspection by the Department, in accordance with Condition 83.

[40 C.F.R. 61.54(g)]

41.5. Monitoring of emissions and operations. All the sources for which mercury emissions exceed 1.6 kg (3.5 lb) per 24-hour period, demonstrated either by stack sampling according to 40 C.F.R. 61.53 or sludge sampling according to 40 C.F.R. 61.54, shall monitor mercury emissions at intervals of at least once per year by use of Method 105 of Appendix B or the procedures specified in 40 C.F.R. 61.53(d)(2) and (4). The results of monitoring shall be reported and retained according to 40 C.F.R. 61.53(d)(5) and (6) or 40 C.F.R. 61.54(f) and (g).

[40 C.F.R. 61.55(a)]

Emission Units Subject to Federal NESHAP Subpart A

42. NESHAP Subpart A. The Permittee shall comply with the applicable requirements of 40 C.F.R. 63 Subpart A in accordance with the provisions for applicability of Subpart A, as

follows:

42.1. For Subpart ZZZZ, in accordance with the provisions for applicability of Subpart A in Table 8 to Subpart ZZZZ.

42.2. For Subpart JJJJJJ, in accordance with the provisions for applicability of Subpart

A in Table 8 to Subpart JJJJJJJ.

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

[40 C.F.R. 63, Subpart A]

Reciprocating Internal Combustion Engines Subject to NESHAP Subpart ZZZZ

43. NESHAP Subpart ZZZZ Stationary Reciprocating Internal Combustion Engines.

For EU IDs 1 - 5, the Permittee shall be in compliance with the applicable emission limitations, operating limitations, and other applicable requirements at all times.

[18 AAC 50.040(c)(23), (j)(4), and 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

[40 C.F.R. 63.6585, & 63.6605(a), Subpart ZZZZ]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 31 of 73

NESHAP Subpart ZZZZ Monitoring, Installation, Collection, Operation, and Maintenance Requirements

44. Management Practices for RICE at an Area Source of HAPs. If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to 40 C.F.R. 63 Subpart ZZZZ that apply to you.

[40 C.F.R. 63.6303(a)]

44.1. Management Practices for Stationary Non-Emergency CI RICE  $\geq 300$  hp:

For EU IDs 1 - 4, the Permittee shall comply with the following management practices:

a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 C.F.R. 63.6603(a) and Table 2d, Item 1, Subpart ZZZZ]

44.2. Management Practices for Stationary Emergency<sup>8</sup> CI RICE: For EU ID 5, the Permittee shall comply with the following management practices:

a. Change oil and filter every 500 hours of operation or annually, whichever comes first;

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 C.F.R. 63.6603(a) and Table 2d, Item 4, Subpart ZZZZ]

44.3. Oil Analysis Program for CI Engines. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Conditions 44.1 and 44.2. The oil analysis must be performed at the same

frequency specified for changing the oil in Conditions 44.1 and 44.2. The analysis

8 If EU ID 5 is operating during an emergency and it is not possible to shut down the engine in order to perform the

management practice requirements on the schedule required under Condition 44.2, or if performing the management

practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the

Permittee may delay the management practice until the emergency is over or the unacceptable risk under Federal,

State, or local law has abated. The management practice should be performed as soon as practicable after the

emergency has ended or the unacceptable risk under Federal, State, or local law has abated.

[40 C.F.R. 63, Footnote 2 to Table 2d, Subpart ZZZZ]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 32 of 73

program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; For SI engines, viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 C.F.R. 63.6625(i)]

45. General requirements: For EU IDs 1 - 5, the Permittee shall comply with the following:

[18 AAC 50.040(c)(23), (j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(1) & (a)(3)(i)]

45.1. You must be in compliance with the emission limitations, operating limitations, and other requirements in NESHAP Subpart ZZZZ that apply to you at all times.

[40 C.F.R. 63.6605(a), Subpart ZZZZ]

45.2. Good Air Pollution Control Practices. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by 40 C.F.R. 63 Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 C.F.R. 63.6605(b)]

45.3. Operation and Maintenance Requirements. For EU IDs 1 - 5,

a. You must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 C.F.R. 63.6625(e)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 33 of 73

b. You must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period need for appropriate and safe loading of the engine, not to exceed 30 minutes.

[40 C.F.R. 63.6625(h) & Table 2d, Column 3]

c. For emergency EU ID 5, you must install a non-resettable hour meter if one is not already installed.

[40 C.F.R. 63.6625(f)]

46. Operating Hour Limits for Emergency Engines. For EU ID 5:

46.1. Operating Hour Limits for Emergency Engines. For EU ID 5, the Permittee shall operate the emergency stationary RICE according to the requirements in Conditions 46.1.a through 46.1.c. In order for the engine to be considered an emergency stationary RICE, any operation other than emergency operation,



maintenance and testing, emergency demand response, and operation in nonemergency situations for 50 hours per year, as described in Conditions 46.1.a through 46.1.c, is prohibited. If you do not operate the engine according to the requirements in Conditions 46.1.a through 46.1.c, the engine will not be considered an emergency engine and must meet all requirements for nonemergency engines.

[18 AAC 50.040(c)(23)]

[40 C.F.R. 63.6640(f)]

a. There is no time limit on the use of emergency stationary RICE in emergency situations.

[40 C.F.R. 63.6640(f)(1)]

b. The Permittee may operate the emission units for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units is limited to 100 hours per calendar year. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

[40 C.F.R. 63.6640(f)(2)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 34 of 73

c. The Permittee may operate the emission units up to 50 hours per calendar year in non-emergency situations, but those 50 hours are counted towards the 100 hours per calendar year provided for maintenance and testing under Condition 46.1.b. The 50 hours per calendar year for nonemergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[40 C.F.R. 63.6640(f)(3) & (4)]

47. Continuous Compliance. For EU IDs 1 - 5, the Permittee shall comply with the following:

[18 AAC 50.040(c)(23), (j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(1) & (a)(3)(i)]

47.1. You must demonstrate continuous compliance with each work or management

practice in Condition 44 according to methods specified in Condition 47.1.a or 47.1.b.

a. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions;

or

b. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 C.F.R. 63.6640(a) & Table 6, Item 9, Subpart ZZZZ]

48. Recordkeeping. For EU IDs 1 - 5, the Permittee shall comply with the following:

48.1. For EU IDs 1 - 5 keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan.

[40 C.F.R. 63.6655(e), (e)(2) & (e)(3), Subpart ZZZZ]

48.2. For EU ID 5, keep records of the hours of operation of the engine that is recorded

through the non-resettable hour meter. Document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

[40 C.F.R. 63.6655(f)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 35 of 73

48.3. For EU IDs 1 - 5, keep records in a form suitable and readily available for expeditious review according to 40 C.F.R. 63.10(b)(1), keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report or record and keep records readily accessible in hard copy or electronic form for at least five years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years may be maintained offsite.

[40 C.F.R. 63.6660]

[40 C.F.R. 63.10(b)(1)]

49. Reporting. For EU IDs 1 - 5, the Permittee shall include in the operating report required

by Condition 88, a report of deviations as defined in 40 C.F.R. 63.6675 for each instance

in which an applicable requirement in 40 C.F.R. 63, Subpart A as specified in Table 8 to

Subpart ZZZZ was not met.

[40 C.F.R. 63.6640(b), 63.6640(e), 63.6650(f)]

Boilers Subject to NESHAP Subpart JJJJJJ

50. NESHAP Subpart JJJJJJ Applicability and General Requirements. For EU IDs 22 and 23 listed in Table A, the Permittee shall comply with the applicable requirements for

existing oil fired boilers located at an area source of HAP emissions.

[18 AAC 50.040(c)(39), 50.040(j) & 18 AAC 50.326(j)]

[40 C.F.R. 71.6(a)(1)]

[40 C.F.R. 63.11193, 63.11194(a), 63.11194(b), 63.11200(e), & 63.11237]

51. NESHAP Subpart JJJJJJ Standards. For EU IDs 22 and 23 listed in Table A:

51.1. For EU IDs 22 and 23, you must comply with each work practice standard, emission reduction measure, and management practice specified in Table 2 to 40 C.F.R. 63, Subpart JJJJJJ that applies to your boiler.

[40 C.F.R. 63.11201(b)]

a. For existing oil-fired boilers with heat input capacity of equal to or less than 5 MMBtu/hr, conduct an initial tune-up as specified in §63.11214, and conduct a tune-up of the boiler every 5 years as specified in §63.11223

[40 C.F.R. 63.11201(b), Table 2, Item 12, Subpart JJJJJJ]

51.2. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by 40 C.F.R. 63 Subpart JJJJJJ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 36 of 73

of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 C.F.R. 63.11205(a)]

52. NESHAP Subpart JJJJJJ Continuous Compliance Requirements. For EU IDs 22 and 23, the Permittee shall demonstrate continuous compliance with the work practice and management practice standards in Conditions 51.1 and 51.2 as follows:

[18 AAC 50.040(j) and 50.326(j)]

[40 C.F.R. 71.6(a)(3)(i)]

52.1. Conduct a performance tune-up according to 40 C.F.R. 63.11223(b) for each of EU IDs 22 and 23 rated at 5 MMBtu/hr or less every five years.

[40 C.F.R. 63.11214(b)]

52.2. For boilers subject to the work practice standard or the management practices of a tune-up, you must conduct a performance tune-up according to Condition 51.1.a and keep records as required in Condition 53 to demonstrate continuous compliance. You must conduct the tune-up while burning the type of fuel that provided the majority of the heat input to the boiler over the 12 months prior to the tune-up.

[40 C.F.R. 63.11223(a)]

52.3. For EU IDs 22 and 23 you must conduct a tune-up every five years as specified in Condition 51.1.a. Each five-year tune-up must be conducted no more than 61 months after the previous tune-up. You may delay the burner inspection until the next scheduled unit shutdown, but you must inspect each burner and system controlling the air-to-fuel ratio at least once every 72 months.

[40 C.F.R. 63.11223(e)]

53. NESHAP Subpart JJJJJJ Recordkeeping Requirements. For EU IDs 22 and 23, the Permittee shall keep records as follows:

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(c)(3)(ii)]

53.1. You must maintain the records specified in Conditions 53.1.a through 53.1.e.

[40 C.F.R. 63.11225(c)(1)]

a. As required in 40 C.F.R. 63.10(b)(2)(xiv), you must keep a copy of each notification and report submitted to comply with NESHAP Subpart JJJJJJ and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

[40 C.F.R. 63.11225(c)(1)]

b. You must keep records to document conformance with the work practices and management practices, as specified in Conditions 53.1.b(i).

[40 C.F.R. 63.11225(c)(2)]

(i) Records must identify each boiler, the date of tune-up, the

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 37 of 73

procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

[40 C.F.R. 63.11225(c)(2)(i)]

c. Records of the occurrence and duration of each malfunction of the boiler,

or of the associated air pollution control and monitoring equipment.

[40 C.F.R. 63.11225(c)(4)]

d. Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in Condition 51.2, including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

[40 C.F.R. 63.11225(c)(5)]

e. You must keep the records of all inspection and monitoring data required by §§63.11221 and 63.11222, and the information identified in Conditions 53.1.e(i) - (vi) for each required inspection or monitoring.

[40 C.F.R. 63.11225(c)(6)]

(i) The date, place and time of the monitoring event

(ii) Person conducting the monitoring.

(iii) Technique or method used.

(iv) Operating conditions during the activity.

(v) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation.

(vi) Maintenance or corrective action taken (if applicable).

53.2. Your records must be in a form suitable and readily available for expeditious review. You must keep each record for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.

[40 C.F.R. 63.11225(d)]

54. NESHAP Subpart JJJJJJ Reporting Requirements. For EU IDs 22 and 23, the Permittee shall report, as follows:

[18 AAC 50.040(j) & 50.326(j)]

[40 C.F.R. 71.6(c)(3)(iii)]

54.1. You must prepare, by March 1 of each year, and submit to the Department upon request, an annual compliance certification report for the previous calendar year containing the information specified in Condition 54.1.a-c. For boilers (EU IDs 22 and 23) that are subject only to a requirement to conduct a 5-year tune-up

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 38 of 73

according to Condition 51.1.a and not subject to emission limits or operating

limits, you may prepare only a 5-year compliance report as specified in Conditions 54.1.a and 54.1.b.

[40 C.F.R. 63.11225(b), Subpart JJJJJJ]

a. Company name and address;

b. Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of NESHAP Subpart JJJJJJ. Your notification must include the following certification(s) of compliance, as applicable, and be signed by a responsible official:

[40 C.F.R. 63.11225(b) (1) and (2)]

(i) "This facility complies with the requirements in §63.11223 to conduct a 5-year tune-up of each boiler."

(ii) For units that do not qualify for a statutory exemption as provided in section 129(g) (1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."

(iii) "This facility complies with the requirement in §§63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."

[40 C.F.R. 63.11225(b) (2) (i)-(iii)]

c. If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

[40 C.F.R. 63.11225(b) (3)]

#### NESHAPs Applicability Determinations

55. The Permittee shall determine rule applicability and designation of affected sources under

National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Source Categories (40 C.F.R. 63) in accordance with the procedures described in

40 C.F.R. 63.1(b) and 63.10(b) (3). If a source becomes affected by an applicable subpart

of 40 C.F.R. 63, the Permittee shall comply with such standard by the compliance date established by the Administrator in the applicable subpart, in accordance with 40 C.F.R. 63.6(c).

55.1. After the effective date of any relevant standard promulgated by the

Administrator under 40 C.F.R. Part 63, an owner or operator who constructs a

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 39 of 73

new affected source that is not major-emitting or reconstructs an affected source that is not major-emitting that is subject to such standard, or reconstructs a source such that the source becomes an affected source subject to the standard, must notify the Administrator and the Department of the intended construction or reconstruction. The notification must be submitted in accordance with the procedures in §63.9(b).

[18 AAC 50.040(c)(1), 50.040(j), & 50.326(j)]

[40 C.F.R. 71.6(a)(3)(ii)]

[40 C.F.R. 63.1(b), 63.5(b)(4), 63.6(c)(1), & 63.10(b)(3)]

56. NSPS and NESHAP Reports. The Permittee shall:

56.1. Reports: Attach to the operating report required by Condition 88 for the period covered by the report, a copy of any NSPS and NESHAPs reports submitted to the U.S. Environmental Protection Agency (EPA) Region 10 unless a copy has already been provided to the Department at the time of submittal to EPA; and

[18 AAC 50.326(j)(4) & 50.040(j)]

[40 C.F.R. 63.10(d) & (f)(1), and 40 C.F.R. 71.6(c)(6)]

56.2. Waivers: Upon request by the Department, provide a written copy of any EPA-granted alternative monitoring requirement, custom monitoring schedule or waiver of the Federal emission standards, recordkeeping, monitoring, performance testing, or reporting requirements. The Permittee shall keep a copy of each U.S. EPA issued monitoring waiver or custom monitoring schedule with the permit.

[18 AAC 50.326(j)(4) & 50.040(j)]

[40 C.F.R. 71.6(c)(6)]

Protection of Stratospheric Ozone, 40 C.F.R. 82

57. The Permittee shall comply with the applicable prohibitions set out in 40 C.F.R. 82.174

(Protection of Stratospheric Ozone Subpart G - Significant New Alternatives Policy Program).

[18 AAC 50.040(d)]

[40 C.F.R. 82.174 (b) - (d)]

58. The Permittee shall comply with the applicable prohibitions set out in 40 C.F.R. 82.270

(Protection of Stratospheric Ozone Subpart H - Halon Emission Reduction).

[18 AAC 50.040(d)]

[40 C.F.R. 82.270 (b)-(f)]

Section 5. General Conditions

Standard Terms and Conditions

59. Each permit term and condition is independent of the permit as a whole and remains valid

regardless of a challenge to any other part of the permit.

[18 AAC 50.326(j)(3), 50.345(a) & (e)]

60. The permit may be modified, reopened, revoked and reissued, or terminated for cause. A

request by the Permittee for modification, revocation and re-issuance, or termination or a

notification of planned changes or anticipated noncompliance does not stay any permit condition.

[18 AAC 50.326(j)(3), 50.345(a) & (f)]

61. The permit does not convey any property rights of any sort, nor any exclusive privilege.

[18 AAC 50.326(j)(3), 50.345(a) & (g)]

62. Administration Fees. The Permittee shall pay to the Department all assessed permit administration fees. Administration fee rates are set out in 18 AAC 50.400-403.

[18 AAC 50.326(j)(1), 50.400 & 50.403]

[AS 37.10.052(b), 11/04; AS 46.14.240, 6/7/03]

63. Assessable Emissions. The Permittee shall pay to the Department an annual emission fee

based on the stationary source's assessable emissions as determined by the Department under 18 AAC 50.410. The assessable emission fee rate is set out in 18 AAC 50.410. The Department will assess fees per ton of each air pollutant that the stationary source emits

or has the potential to emit in quantities 10 tons per year or greater. The quantity for

which fees will be assessed is the lesser of

63.1. the stationary source's assessable potential to emit of 421 TPY; or

63.2. the stationary source's projected annual rate of emissions that will occur from July 1 to the following June 30, based upon actual annual emissions emitted during the most recent calendar year or another 12-month period approved in writing by the Department, when demonstrated by

a. an enforceable test method described in 18 AAC 50.220;

b. material balance calculations;

c. emission factors from EPA's publication AP-42, Vol. I, adopted by reference in 18 AAC 50.035; or

d. other methods and calculations approved by the Department.



[18 AAC 50.040(j)(3), 50.035, 50.326(j)(1), 50.346(b)(1), 50.410, & 50.420]

[40 C.F.R. 71.5(c)(3)(ii)]

64. Assessable Emission Estimates. Emission fees will be assessed as follows:

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 41 of 73

64.1. no later than March 31 of each year, the Permittee may submit an estimate of the stationary source's assessable emissions to ADEC, Air Permits Program, ATTN: Assessable Emissions Estimate, 410 Willoughby Ave., Juneau, AK 99801-1795; the submittal must include all of the assumptions and calculations used to estimate the assessable emissions in sufficient detail so the Department can verify the estimates; or

64.2. if no estimate is submitted on or before March 31 of each year, emission fees for the next fiscal year will be based on the potential to emit set forth in Condition 63.1.

[18 AAC 50.040(j)(3), 50.326(j)(1), 50.346(b)(1), 50.410, & 50.420]

[40 C.F.R. 71.5(c)(3)(ii)]

65. Good Air Pollution Control Practice. The Permittee shall do the following for EU IDs

9 - 15, 24, and 28:

65.1. perform regular maintenance considering the manufacturer's or the operator's maintenance procedures;

65.2. keep records of any maintenance that would have a significant effect on emissions; the records may be kept in electronic format; and

65.3. keep a copy of either the manufacturer's or the operator's maintenance procedures.

[18 AAC 50.030, 50.326(j)(3), & 50.346(b)(5)]

66. Dilution. The Permittee shall not dilute emissions with air to comply with this permit.

Monitoring shall consist of an annual certification that the Permittee does not dilute emissions to comply with this permit.

[18 AAC 50.045(a)]

67. Reasonable Precautions to Prevent Fugitive Dust. A person who causes or permits bulk materials to be handled, transported, or stored, or who engages in an industrial activity or construction project shall take reasonable precautions to prevent particulate matter from being emitted into the ambient air.

[18 AAC 50.045(d), 50.040(e), 50.326(j)(3), & 50.346(c)]

67.1. Dust Control Plan. The Permittee shall comply with the Dust Control (PM Control) Plan of December 2002 or subsequent plan that has been approved by

the Department.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3) & (c)(6), 7/2/07]

[Condition 9, Permit to Operate No. 9632-AA001, 7/15/96]

67.2. The Permittee shall keep records of

- a. complaints received by the Permittee and complaints received by the Department and conveyed to the Permittee; and
- b. any additional precautions that are taken

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 42 of 73

(i) to address complaints described in Condition 67.1 or to address the results of Department inspections that found potential problems;  
and

(ii) to prevent future dust problems.

67.3. The Permittee shall report according to Condition 70.

68. DMTS - Specific Fugitive Dust Requirements. All ore concentrates handling and storing activities, including stockpiling and truck loading/unloading stations must be fully

enclosed to minimize release of fugitive particulate matter. Any building vents must be controlled sufficiently to prevent release of particulate matter in a concentration greater

than 0.05 gr/dscf.

68.1. Monitoring, recordkeeping, and reporting shall consist of performing visual surveys of fugitive particulate matter sources at least once each month that the stationary source is operating by:

a. conducting a survey of all bulk materials handling, construction and industrial activities at the stationary source for the potential of airborne particulate matter in accordance with the procedures listed in

40 C.F.R. 60, Appendix A, RM 22; and

b. within 2 days of discovering that particulate matter emissions are leaving the property at a level which potentially could unreasonably interfere with the enjoyment of life or property, be injurious to human health or welfare, animal or plant life, or property, or cause an exceedance of a PM-10 ambient air quality standard or increment contained in 18 AAC 50.010(1) or 18 AAC 50.010(b)(2), initiate corrective actions to prevent emissions from leaving the property;

c. keep contemporaneous records of all visual surveys performed and corrective actions taken to prevent particulate matter emissions from leaving the property; submitting summaries of the records with the

operating report required by Condition 88; and

d. report under Condition 87 whenever a visual survey reveals that particulate matter emissions at levels specified in Conditions 25.2 and 26.1.b(i) are leaving the property.

[18 AAC 50.040(j) & 50.326(j)(4)]

[40 C.F.R. 71.6(a)(3)(i) - (iii) & (c)(6)]

[Condition 10, Permit to Operate No. 9632-AA001, 7/15/96]

69. Stack Injection. The Permittee shall not release materials other than process emissions,

products of combustion, or materials introduced to control pollutant emissions from a stack at a source constructed or modified after November 1, 1982, except as authorized by a construction permit, Title V permit, or air quality control permit issued before October 1, 2004.

[18 AAC 50.055(g)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 43 of 73

70. Air Pollution Prohibited. No person may permit any emission which is injurious to human health or welfare, animal or plant life, or property, or which would unreasonably interfere with the enjoyment of life or property.

[18 AAC 50.110, 50.040(e), 50.326(j)(3), and 50.346(a)]

[40 C.F.R. 71.6(a)(3)]

70.1. Monitoring, Recordkeeping, and Reporting for Condition 70:

a. If emissions present a potential threat to human health or safety, the Permittee shall report any such emissions according to Condition 87.

b. As soon as practicable after becoming aware of a complaint that is attributable to emissions from the stationary source, the Permittee shall investigate the complaint to identify emissions that the Permittee believes have caused or are causing a violation of Condition 70.

70.2. The Permittee shall initiate and complete corrective action necessary to eliminate

any violation identified by a complaint or investigation as soon as practicable if

a. after an investigation because of a complaint or other reason, the Permittee believes that emissions from the stationary source have caused or are causing a violation of Condition 70; or

b. the Department notifies the Permittee that it has found a violation of Condition 70.

70.3. The Permittee shall keep records of

a. the date, time, and nature of all emissions complaints received;

b. the name of the person or persons that complained, if known;

c. a summary of any investigation, including reasons the Permittee does or does not believe the emissions have caused a violation of Condition 70; and

d. any corrective actions taken or planned for complaints attributable to emissions from the stationary source.

70.4. With each operating report under Condition 88, the Permittee shall include a brief

summary report which must include

a. the number of complaints received;

b. the number of times the Permittee or the Department found corrective action necessary;

c. the number of times action was taken on a complaint within 24 hours; and

d. the status of corrective actions the Permittee or Department found necessary that were not taken within 24 hours.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 44 of 73

70.5. The Permittee shall notify the Department of a complaint that is attributable to emissions from the stationary source within 24 hours after receiving the complaint, unless the Permittee has initiated corrective action within 24 hours of receiving the complaint.

71. Technology-Based Emission Standard. If an unavoidable emergency, malfunction, or non-routine repair, as defined in 18 AAC 50.235(d), causes emissions in excess of a technology-based emission standard<sup>9</sup> listed in Conditions 36 and 41, the Permittee shall take all reasonable steps to minimize levels of emissions that exceed the standard. Excess

emissions reporting under Condition 87 requires information on the steps taken to minimize emissions. Monitoring of compliance for this condition consists of the report required under Condition 87.

[18 AAC 50.235(a), 50.326(j)(4), & 50.040(j)(4)]

[40 C.F.R. 71.6(c)(6)]

#### Open Burning Requirements

72. Open Burning. If the Permittee conducts open burning at this stationary source, the Permittee shall comply with the requirements of 18 AAC 50.065.

72.1. The Permittee shall keep written records to demonstrate that the Permittee complies with the limitations in this condition and the requirements of 18 AAC 50.065. Upon request by the Department, submit copies of the records.

72.2. Compliance with this condition shall be an annual certification conducted under Condition 89.

[18 AAC 50.065, 50.040(j), & 50.326(j)]

[40 C.F.R. 71.6(a)(3)]

9 Technology-based emission standard means a best available control technology standard (BACT); a lowest achievable emission

rate standard (LAER); a maximum achievable control technology standard established under 40 C.F.R. 63, Subpart B, adopted

by reference in 18 AAC 50.040(c); a standard adopted by reference in 18 AAC 50.040(a) or (c); and any other similar standard

for which the stringency of the standard is based on determinations of what is technologically feasible, considering relevant

factors.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 45 of 73

#### Section 6. General Source Testing and Monitoring Requirements

73. Requested Source Tests. In addition to any source testing explicitly required by the

permit, the Permittee shall conduct source testing as requested by the Department to determine compliance with applicable permit requirements.

[18 AAC 50.220(a) & 50.345(a) & (k)]

74. Operating Conditions. Unless otherwise specified by an applicable requirement or test

method, the Permittee shall conduct source testing

[18 AAC 50.220(b)]

74.1. at a point or points that characterize the actual discharge into the ambient air; and

74.2. at the maximum rated burning or operating capacity of the emission unit or another rate determined by the Department to characterize the actual discharge into the ambient air.

75. Reference Test Methods. The Permittee shall use the following as reference test methods when conducting source testing for compliance with this permit:

75.1. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(a) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60.

[18 AAC 50.220(c)(1)(A) & 50.040(a)]

[40 C.F.R. 60]

75.2. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(b) must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 61.

[18 AAC 50.040(b) & 50.220(c)(1)(B)]

[40 C.F.R. 61]

75.3. Source testing for compliance with requirements adopted by reference in 18 AAC 50.040(c) must be conducted in accordance with the source test methods

and procedures specified in 40 C.F.R. 63.

[18 AAC 50.040(c) & 50.220(c)(1)(C)]

[40 C.F.R. 63]

75.4. Source testing for the reduction in visibility through the exhaust effluent must be

conducted in accordance with the procedures set out in Reference Method 9 and may use the form in Section 12 to record data.

[18 AAC 50.030 & 50.220(c)(1)(D)]

75.5. Source testing for emissions of total particulate matter, sulfur compounds, nitrogen compounds, carbon monoxide, lead, volatile organic compounds, fluorides, sulfuric acid mist, municipal waste combustor organics, metals, and acid gases must be conducted in accordance with the methods and procedures specified in 40 C.F.R. 60, Appendix A.

[18 AAC 50.040(a)(3) & 50.220(c)(1)(E)]

[40 C.F.R. 60, Appendix A]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 46 of 73

75.6. Source testing for emissions of PM-10 must be conducted in accordance with the procedures specified in 40 C.F.R. 51, Appendix M, Methods 201 or 201A and 202.

[18 AAC 50.035(b)(2) & 50.220(c)(1)(F)]

[40 C.F.R. 51, Appendix M]

75.7. Source testing for emissions of any pollutant may be determined using an alternative method approved by the Department in accordance with 40 C.F.R. 63 Appendix A, Method 301.

[18 AAC 50.040(c)(24) & 50.220(c)(2)]

[40 C.F.R. 63, Appendix A, Method 301]

76. Excess Air Requirements. To determine compliance with this permit, standard exhaust gas volumes must include only the volume of gases formed from the theoretical combustion of the fuel, plus the excess air volume normal for the specific emission unit

type, corrected to standard conditions (dry gas at 68° F and an absolute pressure of 760

millimeters of mercury).

[18 AAC 50.220(c)(3) & 50.990(102)]

77. Test Exemption. The Permittee is not required to comply with Conditions 79, 80 and 81

when the exhaust is observed for visible emissions by Method 9 Plan (Condition 3.1) or Smoke/No Smoke Plan (Condition 3.2).

[18 AAC 50.345(a)]

78. Test Deadline Extension. The Permittee may request an extension to a source test deadline established by the Department. The Permittee may delay a source test beyond the original deadline only if the extension is approved in writing by the Department's appropriate division director or designee.

[18 AAC 50.345(a) & (l)]

79. Test Plans. Except as provided in Condition 77, before conducting any source tests, the

Permittee shall submit a plan to the Department. The plan must include the methods and procedures to be used for sampling, testing, and quality assurance and must specify how the emission unit will operate during the test and how the Permittee will document that operation. The Permittee shall submit a complete plan within 60 days after receiving a request under Condition 73 and at least 30 days before the scheduled date of any test unless the Department agrees in writing to some other time period. Retesting may be performed without resubmitting the plan.

[18 AAC 50.345(a) & (m)]

80. Test Notification. Except as provided in Condition 77, at least 10 days before conducting

a source test, the Permittee shall give the Department written notice of the date and the

time the source test will begin.

[18 AAC 50.345(a) & (n)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 47 of 73

81. Test Reports. Except as provided in Condition 77, within 60 days after completing a source test, the Permittee shall submit two copies of the results in the format set out in the

Source Test Report Outline, adopted by reference in 18 AAC 50.030. The Permittee shall certify the results in the manner set out in Condition 84. If requested in writing by the

Department, the Permittee must provide preliminary results in a shorter period of time specified by the Department.

[18 AAC 50.345(a) & (o)]

82. Particulate Matter Calculations. In source testing for compliance with the particulate

matter standards in Conditions 7, 21.1, and 27.2, the three-hour average is determined using the average of three one-hour test runs. The source testing must account for those

emissions caused by soot blowing, grate cleaning, or other routine maintenance activities

by ensuring that at least one test run includes the emissions caused by the routine maintenance activity and is conducted under conditions that lead to representative

emissions from that activity. The emissions must be quantified using the following equation:

$$E = EM \left[ \frac{A+B}{R} \right] \times$$

S

R×A

÷+ENM[

R-S

R

-B×

S

R×S

]

Where:

E = the total PM emissions of the emission unit in grains per dry standard cubic foot ((gr)/dscf)

EM = the PM emissions in (gr)/dscf measured during the test that included the routine maintenance activity

ENM = the arithmetic average of PM emissions in (gr)/dscf measured during the test runs that

did not include the maintenance activity

A = the period of routine maintenance activity occurring during the test run that included

routine maintenance activity, expressed to the nearest hundredth of an hour

B = the total period of the test run, less A

R = the maximum period of emission unit operation per 24 hours, expressed to the nearest

hundredth of an hour

S = the maximum period of routine maintenance activity per 24 hours, expressed to the nearest hundredth of an hour

[18 AAC 50.220(f)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 48 of 73

## Section 7. General Recordkeeping and Reporting Requirements

### Recordkeeping Requirements

83. Recordkeeping Requirements. The Permittee shall keep all records required by this permit for at least five years after the date of collection, including:

[18 AAC 50.040(a)(1) and 50.326(j)]

[40 C.F.R 60.7(f), Subpart A, 40 C.F.R 71.6(a)(3)(ii)(B)]

83.1. Copies of all reports and certifications submitted pursuant to this section of the



permit; and

83.2. Records of all monitoring required by this permit, and information about the monitoring including:

- a. the date, place, and time of sampling or measurements;
- b. the date(s) analyses were performed;
- c. the company or entity that performed the analyses;
- d. the analytical techniques or methods used;
- e. the results of such analyses; and,
- f. the operating conditions as existing at the time of sampling or measurement.

#### Reporting Requirements

84. Certification. The Permittee shall certify any permit application, report, affirmation, or

compliance certification submitted to the Department and required under the permit by including the signature of a responsible official for the permitted stationary source following the statement: "Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are

true, accurate, and complete." Excess emission reports must be certified either upon submittal or with an operating report required for the same reporting period. All other reports and other documents must be certified upon submittal.

84.1. The Department may accept an electronic signature on an electronic application or other electronic record required by the Department if

- a. a certifying authority registered under AS 09.25.510 verifies that the electronic signature is authentic; and
- b. the person providing the electronic signature has made an agreement, with the certifying authority described in Condition 84.1.a, that the person accepts or agrees to be bound by an electronic record executed or adopted with that signature.

[18 AAC 50.345(a) & (j), 50.205, & 50.326(j)]

[40 C.F.R. 71.6(a) (3) (iii) (A)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 49 of 73

85. Submittals. Unless otherwise directed by the Department or this permit, the Permittee

shall send one certified (original) copy of reports, compliance certifications, and other

submittals required by this permit to ADEC, Air Permits Program, 610 University Ave., Fairbanks, AK 99709-3643, ATTN: Compliance Technician. The Permittee may, upon consultation with the Compliance Technician regarding software compatibility, provide

electronic copies of data reports, emission source test reports, or other records under a

cover letter certified in accordance with Condition 84.

[18 AAC 50.326(j)]

[40 C.F.R. 71.6(a)(3)(iii)(A)]

86. Information Requests. The Permittee shall furnish to the Department, within a reasonable time, any information the Department requests in writing to determine whether cause exists to modify, revoke and reissue, or terminate the permit or to determine compliance with the permit. Upon request, the Permittee shall furnish to the Department copies of records required to be kept by the permit. The Department may require the Permittee to furnish copies of those records directly to the Federal Administrator.

[18 AAC 50.345(a) & (i), 50.200, & 50.326(a) & (j)]

[40 C.F.R. 71.5(a)(2) & 71.6(a)(3)]

87. Excess Emissions and Permit Deviation Reports.

87.1. Except as provided in Condition 70, the Permittee shall report all emissions or operations that exceed or deviate from the requirements of this permit as follows:

a. in accordance with 18 AAC 50.240(c), as soon as possible after the event commenced or is discovered, report

(i) emissions that present a potential threat to human health or safety;

and

(ii) excess emissions that the Permittee believes to be unavoidable;

b. in accordance with 18 AAC 50.235(a), within two working days after the event commenced or was discovered, report an unavoidable emergency, malfunction, or nonroutine repair that causes emissions in excess of a technology based emission standard;

c. report all other excess emissions and permit deviations

(i) within 30 days of the end of the month in which the excess emissions or deviation occurred, except as provided in Conditions

87.1.c(ii) and 87.1.c(iii);

(ii) if a continuous or recurring excess emissions is not corrected within 48 hours of discovery, within 72 hours of discovery unless the Department provides written permission to report under Condition 87.1.c(i); and

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 50 of 73

(iii) for failure to monitor, as required in other applicable conditions of this permit.

87.2. When reporting excess emissions or permit deviations, the Permittee shall report using either the Department's on-line form, which can be found at <http://dec.alaska.gov/air/ap/docs/eeform.pdf>, or <http://dec.alaska.gov/air/ap/docs/SCIV%20notform%20Rev%209-27-10.pdf>, or if the Permittee prefers, the form contained in Section 13 of this permit. The Permittee must provide all information called for by the form that is used.

87.3. If requested by the Department, the Permittee shall provide a more detailed written report as requested to follow up an excess emissions report.

[18 AAC 50.235(a)(2), 50.240(c), 50.326(j)(3), & 50.346(b)(2) & (3)]

88. Operating Reports. During the life of this permit,<sup>10</sup> the Permittee shall submit to the Department an original operating report by August 1 for the period January 1 to June 30 of the current year and by February 1 for the period July 1 to December 31 of the previous year.

88.1. The operating report must include all information required to be in operating reports by other conditions of this permit.

88.2. If excess emissions or permit deviations that occurred during the reporting period

are not reported under Condition 88.1,

a. The Permittee shall identify

(i) the date of the deviation;

(ii) the equipment involved;

(iii) the permit condition affected;

(iv) a description of the excess emissions or permit deviation; and

(v) any corrective action or preventive measures taken and the date of such actions; or

b. When excess emissions or permit deviations have already been reported under Condition 87 the Permittee shall cite the date or dates of those reports.

88.3. The operating report must include a listing of emissions monitored under Conditions 3.1.e and 3.2.c which trigger additional testing or monitoring, whether or not the emissions monitored exceed an emission standard. The Permittee shall include in the report.

a. the date of the emissions;

<sup>10</sup> Life of this permit is defined as the permit effective dates, including any periods of reporting obligations that extend beyond the

permit effective dates. For example if a permit expires prior to the end of a calendar year, there is still a reporting obligation to

provide operating reports for the periods when the permit was in effect.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

- b. the equipment involved;
- c. the permit condition affected; and
- d. the monitoring result which triggered the additional monitoring.

88.4. Transition from expired to renewed permit. For the first period of this renewed operating permit, also provide the previous permit's operating report elements covering that partial period immediately preceding the effective date of this renewed permit.

[18 AAC 50.346(a) & 50.326(j)]

[40 C.F.R. 71.6(a) (3) (iii) (A)]

89. Annual Compliance Certification. Each year by March 31, the Permittee shall compile and submit to the Department an original of an annual compliance certification report.<sup>11</sup>

89.1. Certify the compliance status of the stationary source over the preceding calendar

year consistent with the monitoring required by this permit, as follows:

- a. identify each term or condition set forth in Section 3 through Section 9, that is the basis of the certification;
- b. briefly describe each method used to determine the compliance status;
- c. state whether compliance is intermittent or continuous; and
- d. identify each deviation and take it into account in the compliance certification;

89.2. Transition from expired to renewed permit. For the first period of this renewed operating permit, also provide the previous permit's annual compliance certification report elements covering that partial period immediately preceding the effective date of this renewed permit.

89.3. In addition, submit a copy of the report directly to the EPA-Region 10, Office of Air Quality, M/S OAQ-107, 1200 Sixth Avenue, Seattle, WA 98101.

[18 AAC 50.205, 50.345(a) & (j), & 50.326(j)]

[40 C.F.R. 71.6(c) (5)]

90. Emission Inventory Reporting. The Permittee shall submit to the Department reports of

actual emissions, by emission unit, of CO, NH<sub>3</sub>, NO<sub>x</sub>, PM-10, PM-2.5, SO<sub>2</sub>, VOCs and Lead (Pb) (and lead compounds) using the form in Section 14 of this permit, as follows:

90.1. Each year by March 31, if the stationary source's potential to emit emissions for the previous calendar year:

- a. equal or exceed 250 tons per year (TPY) of NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> or VOCs; or
- b. equal or exceed 2500 TPY of CO, NO<sub>x</sub> or SO<sub>2</sub>.

<sup>11</sup> See Condition 89.2 for clarification on the number of reports required.

90.2. Every third year by March 31 if the stationary source's potential to emit emissions

for the previous calendar year exceed:

a. 5 tons per year of lead (Pb), 1000 TPY of CO; or

b. 100 TPY of SO<sub>2</sub>, NH<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>x</sub> or VOCs.

90.3. The Permittee shall commence reporting in 2012 for the calendar year of 2011, 2015 for calendar year 2014, etc.

90.4. Include in the report required by this condition, the required data elements contained within the form in Section 14 or those contained in Table 2A of Appendix A to Subpart A of 40 CFR 51 (final rule published in 73 FR 76556 (December 17, 2008)) for each stack associated with an emission unit.

[18 AAC 50.346(b)(8) and 18 AAC 50.200]

[40 CFR 51.15, 51.30(a)(1) & (b)(1) and 40 CFR 51, Appendix A to Subpart A, 73 FR 76556]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

#### Section 8. Permit Changes and Renewal

91. Permit Applications and Submittals. The Permittee shall comply with the following requirements for submitting application information to the EPA Region 10:

91.1. The Permittee shall provide a copy of each application for modification or renewal of this permit, including any compliance plan, or application addenda, at the time the application or addendum is submitted to the Department;<sup>12</sup>

91.2. The information shall be submitted to the same address as in Condition 89.3.

91.3. To the extent practicable, the Permittee shall provide to EPA applications in portable document format (PDF); MS Word format (.doc); or other computerreadable format compatible with EPA's national database management system;

and

91.4. The Permittee shall maintain records as necessary to demonstrate compliance with this condition.

[18 AAC 50.040(j)(7) & 50.326(b)]

[40 C.F.R. 71.10(d)(1)]

92. Emissions Trading. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes

for changes that are provided for in the permit.

[18 AAC 50.040(j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(8)]

93. Off Permit Changes. The Permittee may make changes that are not addressed or prohibited by this permit other than those subject to the requirements of 40 C.F.R. Part 72

through 78 or those that are modifications under any provision of Title I of the Act to be

made without a permit revision, provided that the following requirements are met:

93.1. Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition;

93.2. Provide contemporaneous written notice to EPA and the Department of each such change, except for changes that qualify as insignificant under 18 AAC 50.326(d)

- (i). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change;

93.3. The change shall not qualify for the shield under 40 C.F.R. 71.6(f);

93.4. The Permittee shall keep a record describing changes made at the stationary source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

[18 AAC 50.040(j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(12)]

12 The documents required in Condition 91.1 are submitted to the Department's Anchorage office. The current address for the

Anchorage office is: ADEC, 555 Cordova Street, Anchorage, AK 99501.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 54 of 73

94. Operational Flexibility. The Permittee may make changes within the permitted stationary source without requiring a permit revision if the changes are not modifications

under any provision of Title I of the Act and the changes do not exceed the emissions allowable under this permit (whether expressed therein as a rate of emissions or in terms

of total emissions):

94.1. The Permittee shall provide EPA and the Department with a notification no less than 7 days in advance of the proposed change.

94.2. For each such change, the written notification required above shall include a brief

description of the change within the permitted stationary source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

94.3. The permit shield described in 40 C.F.R. 71.6(f) shall not apply to any change

made pursuant to Condition 94.

[18 AAC 50.040(j)(4) & 50.326(j)]

[40 C.F.R. 71.6(a)(13)]

95. Permit Renewal. To renew this permit, the Permittee shall submit an application under

18 AAC 50.326 no sooner than May 18, 2020 and no later than May 18, 2021. The renewal application shall be complete before the permit expiration date listed on the cover page of this permit. Permit expiration terminates the stationary source's right to

operate unless a timely and complete renewal application has been submitted consistent with 40 C.F.R. 71.7(b) and 71.5(a)(1)(iii).

[18 AAC 50.040(j)(3), 50.326(c)(2) & (j)(2)]

[40 C.F.R. 71.5(a)(1)(iii) & 71.7(b) & (c)(1)(ii)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 55 of 73

## Section 9. Compliance Requirements

### General Compliance Requirements

96. Compliance with permit terms and conditions is considered to be compliance with those

requirements that are

96.1. included and specifically identified in the permit; or

96.2. determined in writing in the permit to be inapplicable.

[18 AAC 50.326(j)(3) & 50.345(a) & (b)]

97. The Permittee must comply with each permit term and condition.

97.1. For applicable requirements with which the stationary source is in compliance, the

Permittee shall continue to comply with such requirements.

97.2. Noncompliance with a permit term or condition constitutes a violation of

AS 46.14.120(c), 18 AAC 50, and, except for those terms or conditions

designated in the permit as not Federally enforceable, the Clean Air Act, and is grounds for

a. an enforcement action;

b. permit termination, revocation and reissuance, or modification in accordance with AS 46.14.280; or

c. denial of an operating permit renewal application.

[18 AAC 50.040(j), 326(j) & 50.345(a) & (c)]

[40 C.F.R. 71.6(c)(3) & 71.5(c)(8)(iii)(A)]

98. It is not a defense in an enforcement action to claim that it would have been necessary to

halt or reduce the permitted activity in order to maintain compliance with a permit

term

or condition.

[18 AAC 50.326(j)(3) & 50.345(a) & (d)]

99. The Permittee shall allow the Department or an inspector authorized by the Department,

upon presentation of credentials and at reasonable times with the consent of the owner or

operator to

99.1. enter upon the premises where a source subject to the permit is located or where records required by the permit are kept;

99.2. have access to and copy any records required by the permit;

99.3. inspect any stationary source, equipment, practices, or operations regulated by or

referenced in the permit; and

99.4. sample or monitor substances or parameters to assure compliance with the permit or other applicable requirements.

[18 AAC 50.326(j)(3) & 50.345(a) & (h)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 56 of 73

#### Section 10. Permit As Shield from Inapplicable Requirements

In accordance with AS 46.14.290, and based on information supplied in the permit application,

this section of the permit contains the requirements determined by the Department not to be

applicable to the stationary source.

100. Nothing in this permit shall alter or affect the following:

100.1. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section; or

100.2. The liability of an owner or operator of a source for any violation of applicable

requirements prior to or at the time of permit issuance.

[18 AAC 50.326(j)]

[40 C.F.R. 71.6(f)(3)(i) & (ii)]

101. Table D identifies the emission units that are not subject to the specified requirements at

the time of permit issuance. If any of the requirements listed in Table D becomes applicable during the permit term, the Permittee shall comply with such requirements on a timely basis including, but not limited to, providing appropriate notification to EPA,

obtaining a construction permit and/or an operating permit revision.

[18 AAC 50.326(j)]



[40 C.F.R. 71.6(f)(1)(ii)]

Table D - Permit Shields Granted

EU ID Non-Applicable Requirements Reason for Non-Applicability

All

40 C.F.R. 60, Subparts B, C ,Ca, Cb,  
Ce, Cc, Cd, D, Da, Db, Dc, E, Ea, Eb,  
Ec, F, G, Ga, H, I, J, Ja, K, Ka, L, M,  
N, Na, P, Q, R, S, T, U, V, W, X, Y, Z,  
AA, AAa, BB, BBa, CC, DD, EE, GG,  
HH, KK, MM, NN, PP, QQ, RR, SS,  
TT, UU, VV, VVa, WW, XX, AAA,  
BBB, DDD, FFF, GGG, GGGa, HHH,  
III, JJJ, KKK, LLL, NNN, PPP, QQQ,  
RRR, SSS, TTT, UUU, VVV, WWW,  
AAAA, BBBB, EEEE, FFFF, JJJJ,  
KKKK, LLLL, MMMM, OOOO,  
OOOOa, QQQQ, TTTT, and UUUU

No affected emission units within stationary source  
nor is it an affected stationary source, operation or  
industry.

EU IDs 16-21 40 C.F.R. 60 Subpart Kb The storage tanks (EU IDs 16-21) are exempt per  
§60.110b(b) based on the type of fuel stored.

EU ID 7 40 C.F.R. 60, Subpart O except  
§60.150(a)

The permittee is exempt from the requirements of  
Subpart O by maintaining records demonstrating  
the EU is not an affected facility. Only the record  
keeping portion is included.

EU ID 24 40 C.F.R. 60, Subpart LL  
Per the definition provided in 40 CFR 60.381, the  
DMTS Port Facility is not defined as a metallic  
mineral processing plant because the emission units  
are not located at or adjacent to the mine.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 57 of 73

EU ID Non-Applicable Requirements Reason for Non-Applicability

EU IDs 29

through 39 40 C.F.R. 60, Subpart LL

Rock crushing is conducted for roadway surfacing purposes and does not involve metallic mineral concentrate as defined in 40 CFR 60.381.

All emission

units except for

EU ID 7

40 C.F.R. 61, Subparts A, B, C, D, E,  
F, H, I J, K, L, M, N, O, P, Q, R, T, V,  
W, Y, BB, and FF

No affected emission units within stationary source nor is it an affected stationary source, operation or industry.

All

40 C.F.R. 63, Subparts B, F, G, H, I, J,  
L, M, N, O, Q, R, S, T, U, W, X, Y,  
AA, BB, CC, DD, EE, GG, HH, II, JJ,  
KK, LL, MM, OO, PP, QQ, RR, SS,  
TT, UU, VV, WW, XX, YY, CCC,  
DDD, EEE, GGG, HHH, III, JJJ, LLL,  
MMM, NNN, OOO, PPP, QQQ, RRR,  
TTT, UUU, VVV, XXX, AAAA,  
CCCC, DDDD, EEEE, FFFF, GGGG,  
HHHH, IIII, JJJJ, KKKK, MMMM,  
NNNN, OOOO, PPPP, QQQQ, RRRR,  
SSSS, TTTT, UUUU, VVVV,  
WWWW, XXXX, YYYY, AAAAA,  
BBBBB, CCCCC, EEEEE, FFFFF,  
GGGGG, HHHHH, IIIII, JJJJJ,  
KKKKK, LLLLL, MMMM,  
NNNNN, PPPPP, QQQQQ, RRRRR,  
SSSSS, TTTTT, UUUUU,  
WWWWW, YYYYY, ZZZZZ,  
BBBBBB, CCCCCC, DDDDD,  
EEEEEE, FFFFFFF, GGGGGG,  
HHHHHH, LLLLLL, MMMMM,  
NNNNNN, OOOOOO, PPPPPP,  
QQQQQQ, RRRRRR, SSSSSS,  
TTTTTT, VVVVVV, WWWWWW,  
XXXXXX, YYYYYY, ZZZZZZ,

AAAAAAA, BBBBBBB, CCCCCC,  
DDDDDD, EEEEEEE , and  
HHHHHH

No affected emission units within stationary source  
nor is it an affected stationary source, operation or  
industry.

EU ID 7 18 AAC 50.050(b) - sludge  
incineration

The port stationary source incinerator does not  
incinerate sludge from a municipal wastewater  
treatment that serves 10,000 + persons.

EU ID 7 18 AAC 50.050(b) - grain loading  
standards The incinerator is rated at less than 1000 lb/hr total.

All 18 AAC 50.055(a) (2) The emission units were not described in cited  
regulations or in operation before November 1982.

All 18 AAC 50.055(a) (3), (4), (5), (6), (7),  
(8) and (9)

Stationary source has no emission units as  
described in cited regulations.

All 18 AAC 50.055(b) (3), (4), (5), (6), (7),  
(8) and (9)

Stationary source has no emission units as  
described in cited regulations.

All 18 AAC 50.055(d), (e), and (f) Stationary source has no emission units as  
described in cited regulations.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 58 of 73

EU ID Non-Applicable Requirements Reason for Non-Applicability

All 18 AAC 50.060 - Pulp mills Stationary source has no emission units as  
described in cited regulations.

All 18 AAC 50.075- wood fired heating  
device

Stationary source has no emission units as  
described in cited regulations.

EU IDs 9 - 15,

28 18 AAC 50.055 These dust collectors are not part of an industrial  
process.

Marine Vessels 18 AAC 50.070(2), (3), & (4) Vessels coming to the DMTS Port Facility

are not

part of the stationary source per AS 46.14.990(11).

EU IDs 8, 22,

23, and 27 40 CFR 63 Subpart DDDDD

The DMTS Port Facility is not a major source of

HAPs and therefore is exempt from 40 CFR 63

Subpart DDDDD per 40 CFR Part 63.7485.

EU IDs 1 - 5 40 CFR 60 Subpart IIII

40 CFR 60.4200(a) - The engines were not

manufactured after April 1, 2006 or modified or

reconstructed after July 11, 2005.

EU IDs 1 - 5 40 CFR 63.6600, 63.6601, 63.6602,

63.6610, and 63.6611

40 CFR 63.6585(b) - The affected source is not a

major source of hazardous air pollutants.

EU IDs 1 - 4

40 CFR 63.6604, 63.6625(c), (d), (f),

(g), 63.6640(c), (d), (f), 63.6645(a),

(b), (c), (d), (e), (f), 63.6655(c), and (f)

The engines are existing diesel-fired nonemergency

stationary CI RICE greater than 300 Hp

located at an area source of HAP emissions not

accessible by the FAHS.

EU ID 5

40 CFR 63.6604, 63.6625(c), (d), (g),

63.6640(c), (d), 63.6645(a), (b), (c),

(d), (e), (f), 63.6655(c), and (f)

The engine is an existing diesel-fired emergency

stationary CI RICE located at an area source of

HAP emissions not accessible by the FAHS.

EU IDs 1 - 5

40 CFR 63.6612, 63.6615, 63.6620,

63.6630, 63.6645(g), (h), and 63.6650

(e) and (g)

The engines are not subject to performance tests or

other compliance demonstrations per Tables 3, 4, 5,

and 7 of 40 CFR 60 Subpart ZZZZ.

EU IDs 1 - 5 40 CFR 63.6625(a), (b), 63.6635, and

63.6655(b)

The engines are not required to use a CEMS,  
CPMS, or a CMS per Tables 3 and 5 of 40 CFR 60  
Subpart ZZZZ.

EU ID 7 40 CFR 60 Subpart E

40 CFR 60.50(a) - Emission Unit 7 does not have  
the capacity incinerate more than 45 metric tons per  
day.

EU ID 7 40 CFR 60 Subpart CCCC 40 CFR 60.2015 - Emission Unit 7 commenced  
construction prior to June 4, 2010.

EU ID 7 40 CFR 60 Subpart LLLL

40 CFR 60.4770(a) - Emission Unit 7 commenced  
construction prior to October 14, 2010 and is not  
located at a wastewater treatment facility.

EU ID 7 40 CFR 62 Subpart III

40 CFR 62.14525(c)(2) - Emission Unit 7  
incinerates more than 30 percent municipal solid  
waste or refuse-derived fuel and has an operating  
capacity less than 35 tons per day.

EU ID 7 40 CFR 62 Subpart JJJ 40 CFR 62.15010 - Emission Unit 7 does not have  
the capacity incinerate more than 35 tons per day.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 59 of 73

Section 11. Public Access Control Plan

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 60 of 73

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 61 of 73

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 62 of 73

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 63 of 73

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

## Section 12. Visible Emissions Forms

### VISIBLE EMISSION OBSERVATION FORM

This form is designed to be used in conjunction with EPA Method 9, "Visual Determination of the Opacity of

Emissions from Stationary Sources." Temporal changes in emission color, plume water droplet content, background

color, sky conditions, observer position, etc. should be noted in the comments section adjacent to each minute of

readings. Any information not dealt with elsewhere on the form should be noted under additional information.

Following are brief descriptions of the type of information that needs to be entered on the form: for a more detailed

discussion of each part of the form, refer to "Instructions for Use of Visible Emission Observation Form."

- Source Name: full company name, parent company or division or subsidiary information, if necessary.
- Address: street (not mailing or home office) address of facility where VE observation is being made.
- Phone (Key Contact): number for appropriate contact.
- Stationary Source ID Number: number from NEDS, agency file, etc.
- Process Equipment, Operating Mode: brief description of process equipment (include type of facility) and operating rate, % capacity, and/or mode (e.g. charging, tapping, shutdown).
- Control Equipment, Operating Mode: specify type of control device(s) and % utilization, control efficiency.
- Describe Emission Point: for identification purposes, stack or emission point appearance, location, and geometry; and whether emissions are confined (have a specifically designed outlet) or unconfined (fugitive).
- Height Above Ground Level: stack or emission point height relative to ground level; can use engineering drawings, Abney level, or clinometer.
- Height Relative to Observer: indicate height of emission point relative to the observation point.
- Distance from Observer: distance to emission point; can use

rangefinder or map.

- Direction from Observer: direction plume is traveling from observer.
- Describe Emissions and Color: include physical characteristics, plume behavior (e.g., looping, lacy, condensing, fumigating, secondary particle formation, distance plume visible, etc.), and color of emissions (gray, brown, white, red, black, etc.). Note color changes in comments section.
- Visible Water Vapor Present?: check "yes" if visible water vapor is present.
- If Present, is Plume...: check "attached" if water droplet plume forms prior to exiting stack, and "detached" if water droplet plume forms after exiting stack.
- Point in Plume at Which Opacity was Determined: describe physical location in plume where readings were made (e.g., 1 ft above stack exit or 10 ft. after dissipation of water plume).
- Describe Plume Background: object plume is read against, include texture and atmospheric conditions (e.g., hazy).
- Background Color: sky blue, gray-white, new leaf green, etc.
- Sky Conditions: indicate cloud cover by percentage or by description (clear, scattered, broken, overcast).
- Wind Speed: record wind speed; can use Beaufort wind scale or hand-held anemometer to estimate.
- Wind Direction From: direction from which wind is blowing; can use compass to estimate to eight points.
- Ambient Temperature: in degrees Fahrenheit or Celsius.

Wet Bulb Temperature: can be measured using a sling psychrometer

RH Percent: relative humidity measured using a sling psychrometer; use local US Weather Bureau measurements only if nearby.

- Source Layout Sketch: include wind direction, sun position, associated stacks, roads, and other landmarks to fully identify location of emission point and observer position.

Draw North Arrow: to determine, point line of sight in direction of emission point, place compass beside circle, and draw in arrow parallel to compass needle.

Sun's Location: point line of sight in direction of emission point, move pen upright along sun location line, mark location

of sun when pen's shadow crosses the observer's position.

- Observation Date: date observations conducted.
- Start Time, End Time: beginning and end times of observation period (e.g., 1635 or 4:35 p.m.).
- Data Set: percent opacity to nearest 5%; enter from left to right starting in left column. Use a second (third, etc.) form, if readings continue beyond 30 minutes. Use dash (-) for readings not made; explain in adjacent comments section.

Comments: note changing observation conditions, plume characteristics, and/or reasons for missed readings.

Range of Opacity: note highest and lowest opacity number.

- Observer's Name: print in full.

Observer's Signature, Date: sign and date after performing VE observation.

- Organization: observer's employer.

Certified By, Date: name of "smoke school" certifying observer and date of most recent certification.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 66 of 73

Page No. \_\_\_\_\_

Stationary Source Name Type of Emission Unit Observation Date Start Time End Time

Sec 0 15 30 45 Comments

Emission Unit Location Min

1

City State Zip

2

Phone # (Key Contact) Stationary Source ID Number

3

Process Equipment Operating Mode

4

Control Equipment Operating Mode

5

Describe Emission Point/Location

6

Height above ground level Height relative to observer Clinometer Reading

7

Distance From Observer Direction From Observer

Start End Start End 8



Describe Emissions & Color

Start End 9

Visible Water Vapor Present? If yes, determine approximate distance from the

No Yes stack exit to where the plume was read 10

Point in Plume at Which Opacity Was Determined 11

Describe Plume Background Background Color 12

Start Start

End End 13

Sky Conditions:

14

Start End

Wind Speed Wind Direction From 15

Start End Start End

Ambient Temperature Wet Bulb Temp RH percent 16

SOURCE LAYOUT SKETCH: 1 Stack or Point Being Read 2 Wind Direction From 17

3 Observer Location 4 Sun Location 5 North Arrow 6 Other Stacks

18

19

20

21

22

23

24

25

26

27

28

29

30

Range of Opacity

Minimum Maximum

I have received a copy of these opacity observations Print Observer's Name

Print Name: Observer's Signature Date

Signature: Observer's Affiliation:

Title Date Certifying Organization

Certified By: Date

Start End

Data Reduction:

Set Number

Sum Comments

Highest Six -Minute Average Opacity (%):

Average Opacity Summary:

Time

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AIR PERMITS PROGRAM - VISIBLE EMISSIONS OBSERVATION FORM

Opacity

Duration of Observation Period (minutes):

Number of Observations:

Number of Observations exceeding 20%:

Duration Required by Permit (minutes):

Highest 18-Consecutive -Minute Average Opacity (%) (engines In compliance with six-minute opacity limit? (Yes or No) and turbines only)

Average

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 67 of 73

Section 13. ADEC Notification Form13

DeLong Mountain Regional Transportation System Port Facility AQ0289TVP03

Stationary Source Name Air Quality Permit No.

Teck Alaska Inc.

Company Name Date

When did you discover the Excess Emissions/Permit Deviation?

Date: / / Time: :/

When did the event/deviation occur?

Begin Date: / / Time: : (Use 24-hr clock.)

End Date / / Time: : (Use 24-hr clock.)

What was the duration of the

event/deviation?

: (hrs:min) or days

(total # of hrs, min, or days, if intermittent then include only the duration of the actual emissions/deviation)

Reason for Notification: (please check only 1 box and go to the corresponding section)

Excess Emissions - Complete Section 1 and Certify

Deviation from Permit Condition - Complete Section 2 and Certify

Deviations from COBC, CO, or Settlement Agreement - Complete Section 2 and Certify

Section 1. Excess Emissions

(a) Was the exceedance: Intermittent or Continuous

(b) Cause of Event (Check one that applies):

Start Up/Shut Down Natural Cause (weather/earthquake/flood)

Control Equipment Failure Schedule Maintenance/Equipment Adjustment

Bad Fuel/Coal/Gas Upset Condition Other

(c) Description

Describe briefly, what happened and the cause. Include the parameters/operating conditions

exceeded, limits, monitoring data and exceedance.

(d) Emissions Units Involved:

Identify the emission unit involved in the event, using the same identification number and

name as in the permit. Identify each emission standard potentially exceeded during the event and the exceedance.

EU ID EU Name Permit Condition Exceeded/Limit/Potential Exceedance

13 Revised as of September 27, 2010.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 68 of 73

(e) Type of Incident (please check only one):

Opacity % Venting gas/scf Control Equipment Down

Fugitive Emissions Emission Limit Exceeded Other

Marine Vessel Opacity Flaring

(f) Unavoidable Emissions:

Do you intend to assert that these excess emissions were unavoidable?

Yes No

Do you intend to assert the affirmative defense of 18 AAC 50.235? Yes No

Certify Report (Go to end of form.)

Section 2. Permit Deviations

(a) Permit Deviation Type (check only one box, corresponding with the section in the permit):

Emission Unit-Specific Generally Applicable Requirements

Failure to Monitor/Report Reporting/Monitoring for Diesel Engines

General Source Test/Monitoring Requirements Recordkeeping Failure

Recording/Reporting/Compliance Certification Insignificant Emission Unit

Standard Conditions Not Included in the Permit Stationary Source Wide

Other Section:

(Title of section and section number of your permit).

(b) Emission Unit Involved:

Identify the emission unit involved in the event, using the same identification number and

name as in the permit. List the corresponding permit conditions and the deviation.

EU ID EU Name Permit Condition/ Potential Deviation

(c) Description of Potential Deviation:

Describe briefly what happened and the cause. Include the parameters/operating conditions

and the potential deviation.

(d) Corrective Actions:

Describe actions taken to correct the deviation or potential deviation and to prevent future

recurrence.

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 69 of 73

Certification:

Based on information and belief formed after reasonable inquiry, I certify that the statements and

information in and attached to this document are true, accurate, and complete.

Printed Name: Title: Date:

Signature: Phone Number:

NOTE: This document must be certified in accordance with 18 AAC 50.345(j)

To Submit this Report:

1. Fax to: 907-451-2187

Or

2. Email to: DEC.AQ.Airreports@alaska.gov

If faxed or emailed, the report must be certified within the Operating Report required for the same

reporting period per Condition 88.

Or

3. Mail to: ADEC

Air Permits Program

610 University Avenue

Fairbanks, AK 99709-3643

Or

4. Phone Notification: 907-451-5173

Phone notifications require a written follow-up report.

An online version of this notification form is found at the following website:

<http://dec.alaska.gov/air/ap/docs/eeform.pdf>

[18 AAC 50.346(b)(3)]

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 70 of 73

Section 14. Emission Inventory Form

ADEC Reporting Form

Emission Inventory Reporting

State of Alaska Department of Environmental Conservation

Division of Air Quality

Emission Inventory

Year- [ ]

Mandatory information is highlighted. Make additional copies as needed.

Inventory start

date:

Inventory end date:

Inventory Type:

Facility Information:

ADEC Stationary Source ID:

(Stationary Source) Facility

Name:

AFS ID:

Census Area/ Community:

Line of Business (NAICS):

Contact/Owner Name:

Contact Owner Address:

Contact/Owner Phone

Number:

Facility Physical Address: Latitude:

Longitude:

Mailing Address :

Emission Unit:

ID:

Description:

Manufacturer:

Model Number:

Serial Number:

Year of Manufacture:

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 71 of 73

Maximum Nameplate

Capacity:

Design Capacity (BTU/hr):

Control Equipment (List All):

Control Equipment Type(Primary or Secondary):

ID:

Type:

Manufacturer:

Model:

Control Efficiency (%):

Capture Efficiency (%):

Total Capture Efficiency (%):

Pollutants Controlled

-

Processes (List All):

PROCESS:

SCC Code:

Material Processed:

Operational Periods:

FUEL INFORMATION

Ash Content (weight %):

Elem. Sulfur Content (weight %):

H2S Sulfur Content (ppmv):

Heat Content (MMBtu/1000 gal or MMBtu/MMscf):

Heat Input (MMBtu/hr):

Heat Output (MMBtu/hr):

THROUGHPUT

Total Amount:

Summer %:

Fall %:

Winter %:

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 72 of 73

Spring %:

Days/Week of Operation:

Weeks/Year of Operation:

Hours/Day of Operation:

Hours/Year of Operation:

EMISSIONS

Pollutant

Emission

Factor

Emission

Factor

Numerator

Emission

Factor

Denominator

Emission

Factor

Source

Tons

Emitted

CO

NH3

NOX

PM10-PRI

PM25-PRI

SO2

VOC

Lead and lead

compounds

Stack Description:

Stack Detail:

ID:

Type:

Measurement Units:

Base Elevation:

Stack Height:

Stack Diameter:

Exit Gas Temp:

Exit Gas Velocity:

Actual Exit Gas Flow Rate:

Data Source:

Description:

Latitude:

Permit No. AQ0289TVP03 Date: Final Permit - November 18, 2016

DeLong Mountain Regional Transportation System Port Facility Expires: November 18, 2021

Page 73 of 73

Longitude:

Location Description:

Accuracy (m):

Datum:

Certification:

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Printed Name: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Signature: \_\_\_\_\_ Phone number \_\_\_\_\_

[18 AAC 50.346(b)(9)]

NOTE: This document must be certified in accordance with 18 AAC 50.345(j)

To Submit this report:

1. Fax this form to: 907-465-5129; or
2. E-mail to: DEC.AQ.airreports@alaska.gov; or
3. Mail to: ADEC

Air Permits Program

410 Willoughby Ave., Suite 303

PO Box 111800

Juneau, AK 99801-1800

Or

4. Direct data entry for emission inventory can be done through the Air Online System (AOS). A myAlaska

account is needed to gain access and a profile needs to be set up in Permittee Portal.

<http://dec.alaska.gov/Applications/Air/airtoolsweb/>